FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004 Form 3160-3 (September 2001) **UNITED STATES** 5. Lease Serial No. DEPARTMENT OF THE INTERIOR UTU-74391 BUREAU OF LAND MANAGEMENT 6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. la. Type of Work: ☐ REENTER ☑ DRILL N/A 8. Lease Name and Well No. Federal 15-20-9-16 ☑ Oil Well ☐ Gas Well ☐ Other Single Zone Multiple Zone 1b. Type of Well: Name of Operator 9. API Well No. **Newfield Production Company** 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 3a. Address (435) 646-3721 Monument Butte Route #3 Box 3630, Myton UT 84052 11. Sec., T., R., M., or Blk. and Survey or Area Location of Well (Report location clearly and in accordance with any State requirements.\*) 40.010982 660' FSL 1980' FEL 573389 X At surface SW/SE Sec. 20, T9S R16E SW/SE 44291204 -110.140133 At proposed prod. zone 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office\* Duchesne UT Approximatley 15.1 miles southwest of Myton, Utah 17. Spacing Unit dedicated to this well 16. No. of Acres in lease 15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1980' f/lse, NA f/unit 2139.50 40 Acres 20. BLM/BIA Bond No. on file 19. Proposed Depth 18. Distance from proposed location\* to nearest well, drilling, completed, UTB000192 applied for, on this lease, ft. Approx. 2628' 5930' 23. Estimated duration 22. Approximate date work will start\* 21. Elevations (Show whether DF, KDB, RT, GL, etc.) Approximately seven (7) days from spud to no release 2nd Quarter 2006 6153' GL 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: 4. Bond to cover the operations unless covered by an existing bond on file (see 1. Well plat certified by a registered surveyor. Item 20 above). 2. A Drilling Plan. Operator certification. 3. A Surface Use Plan (if the location is on National Forest System Lands, the Such other site specific information and/or plans as may be required by the SUPO shall be filed with the appropriate Forest Service Office). authorized officer. 25. Signature Name (Printed/Typed) ! Date Mandie Crozier 3/17/06 Title Regulatory Specialist Name (Printed/Typed) BRADLEY G. HILL Title ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

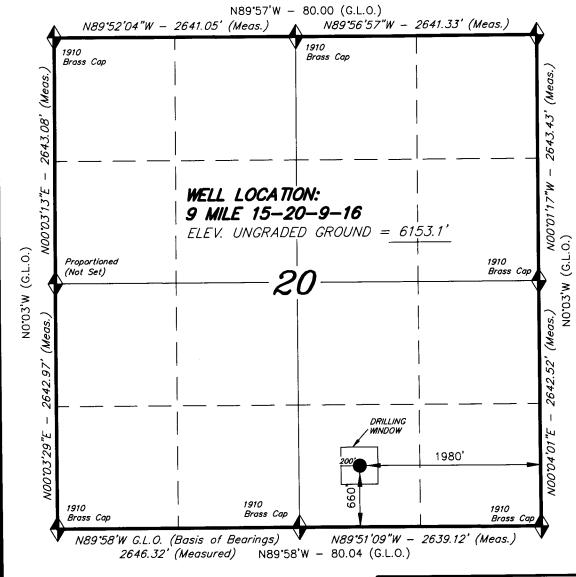
Conditions of approval, if any, are attached.

operations thereon

\*(Instructions on reverse)

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### T9S, R16E, S.L.B.&M.

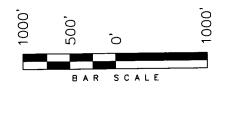


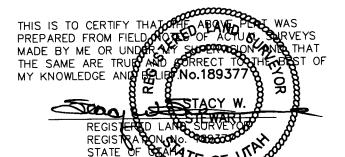
= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW) 9 MILE 15-20-9-16 (Surface Location) NAD 83 LATITUDE = 40° 00′ 39.48″ LONGITUDE = 110° 08′ 26.96″

#### NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 15-20-9-16, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 20, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.





#### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

DATE SURVEYED: 2-16-06	SURVEYED BY: K.S.
DATE DRAWN: 2-23-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'



March 17, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 6-19-9-16, 8-19-9-16, 12-19-9-16, 13-19-9-16, 5-20-9-16, and 15-20-9-16.

#### Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely.

Mandie Crozier

Regulatory Specialist

mc

enclosures

RECEIVED MAR 2 1 2006

DIV. OF OIL, GAS & MINING

#### NEWFIELD PRODUCTION COMPANY FEDERAL #15-20-9-16 SW/SE SECTION 20, T9S, R16E DUCHESNE COUNTY, UTAH

#### **ONSHORE ORDER NO. 1**

#### DRILLING PROGRAM

#### 1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

#### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta 0' - 2335' Green River 2335' Wasatch 5930'

#### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2335' - 5930' - Oil

#### 4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

#### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

#### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

#### 7. <u>AUXILIARY SAFETY EQUIPMENT TO BE USED:</u>

Please refer to the Monument Butte Field SOP.

#### 8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

#### 9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

#### 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

#### NEWFIELD PRODUCTION COMPANY FEDERAL #15-20-9-16 SW/SE SECTION 20, T9S, R16E DUCHESNE COUNTY, UTAH

#### **ONSHORE ORDER NO. 1**

#### MULTI-POINT SURFACE USE & OPERATIONS PLAN

#### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #15-20-9-16 located in the SW 1/4 SE 1/4 Section 20, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly -10.9 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly -2.5 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly -0.1 miles  $\pm$  to it's junction with the beginning of the proposed access road to the west; proceed westerly along the proposed access road  $-130^{\circ}\pm$  to the proposed well location.

#### 2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

#### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Carlsbad Canyon. Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

#### 5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

#### 6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

#### 8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

#### 9. WELL SITE LAYOUT

See attached Location Layout Diagram.

#### 10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

#### 11. SURFACE OWNERSHIP - Bureau Of Land Management

#### 12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #15-20-9-16 Newfield Production Company requests 130' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 130' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 130' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

#### Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley. Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

#### Threatened, Endangered, And Other Sensitive Species

**Golden Eagle:** Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location

between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

#### **Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

#### Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Crested Wheatgrass

Agropyron Cristatum

4 lbs/acre

Needle and Threadgrass

Stipa Comata

4 lbs/acre

**Indian Ricegrass** 

Oryzopsis Hymenoides

4 lbs/acre

#### **Details of the On-Site Inspection**

The proposed Federal #15-20-9-16 was on-sited on 1/25/06. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), Chris Carusona (Bureau of Land Management), Todd MaGrath (Bureau of Land Management), Brandon McDonald (Bureau of Landmanagement), and Charlie Shard (SWCA). Weather conditions were clear and ground cover was 50% open.

#### LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION 13.

#### Representative

Name:

Shon Mckinnon

Address:

Route #3 Box 3630

Myton, UT 84052

Telephone:

(435) 646-3721

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #15-20-9-16 SW/SE Section 20, Township 9S, Range 16E: Lease UTU-74391 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

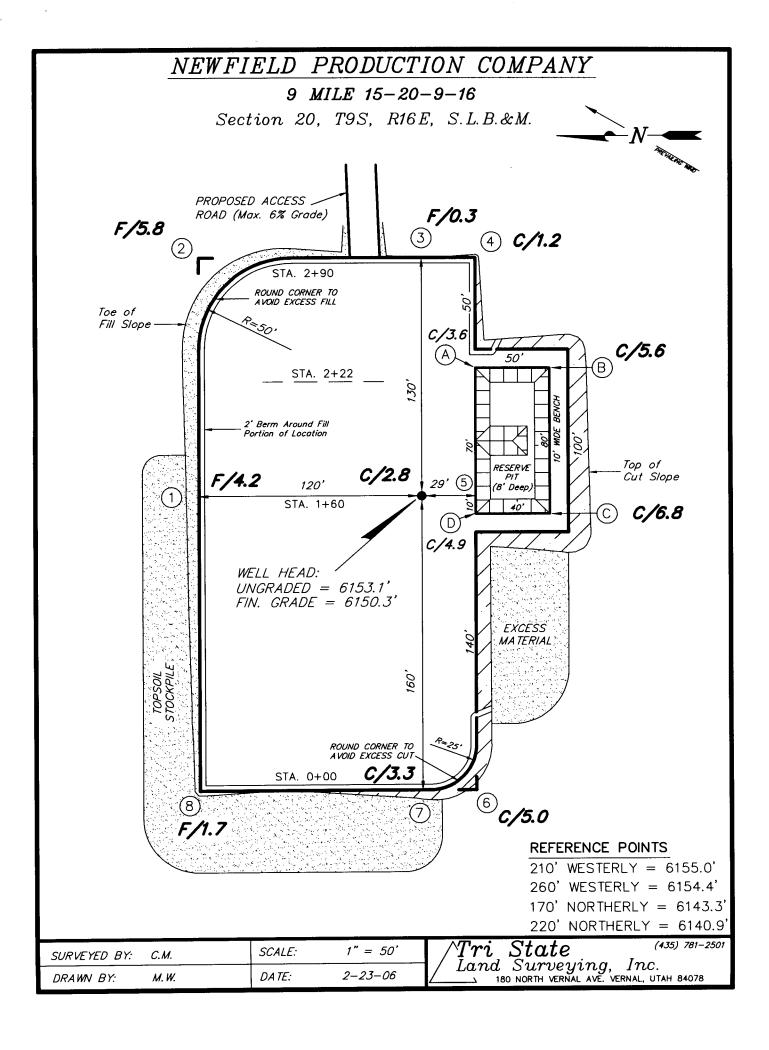
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

3/17/06 Date

Mandie Crozier

Regulatory Specialist

Newfield Production Company



#### NEWFIELD PRODUCTION COMPANY CROSS SECTIONS 9 MILE 15-20-9-16 20, П STA. 2+90 1" = 50'20, н STA. 2+22 1" = 50'**EXISTING** GRADE FINISHED GRADE 20, WELL HOLE 1" = 50'STA. 1+60 20, H STA. 0+00 1" = 50'ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards) 6" TOPSOIL EXCESS FILL ITEM CUT Topsoil is not included in Pad Cut PAD 2,530 2,530 UNLESS OTHERWISE NOTED 640 PIT 640 ALL CUT/FILL SLOPES ARE

		SCALE:	1" = 50'
SURVEYED BY:	С.М.	SCALE.	7 = 50
DRAWN BY:	M. W.	DATE:	2-23-06

AT 1.5:1

 $egin{array}{ll} Tri & State & {}^{(435)} \, {}^{781-.} \ Land & Surveying, & Inc. \ \_\_\_\_ & 180 & NORTH VERNAL AVE. VERNAL, UTAH 84078 \end{array}$ (435) 781-2501

990

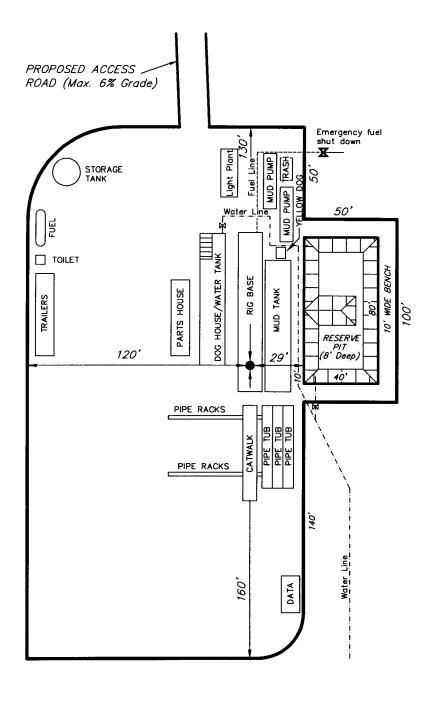
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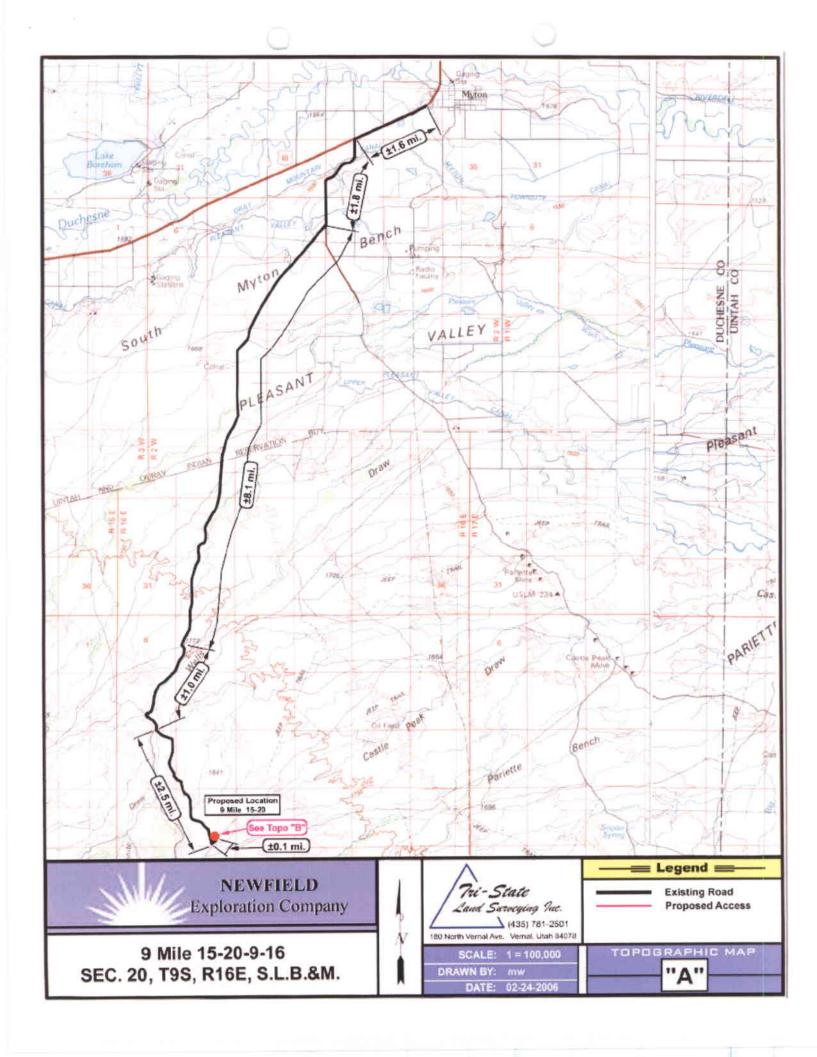
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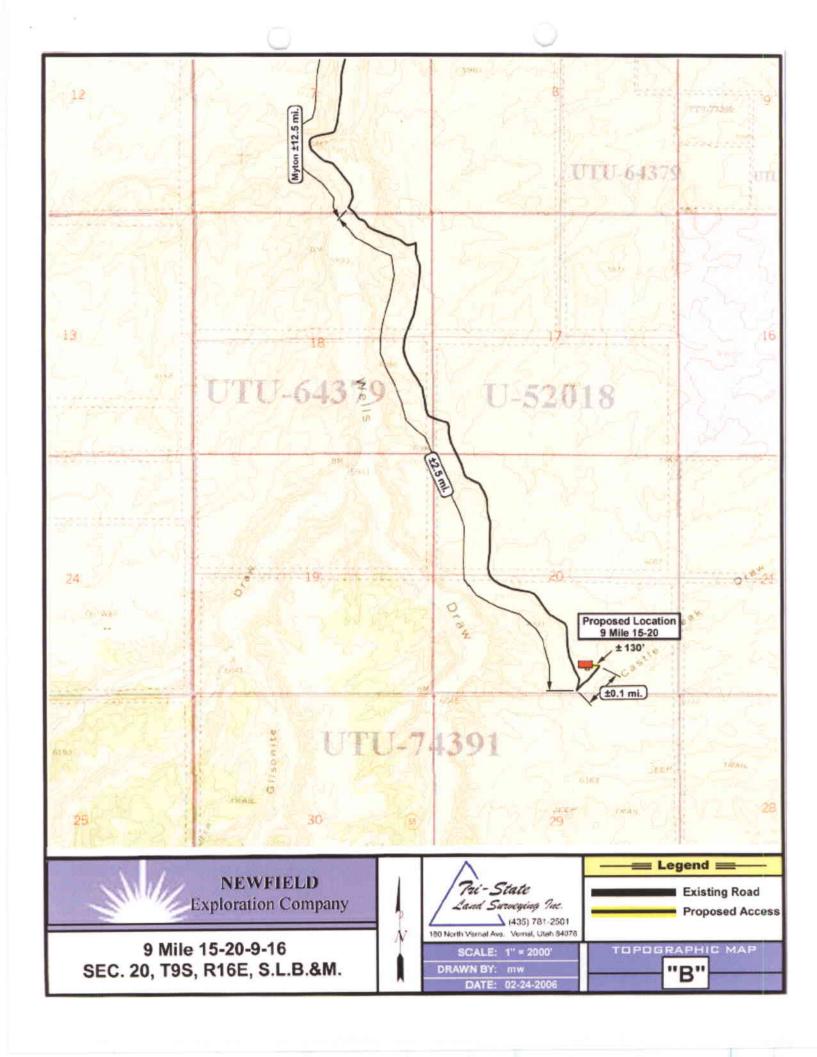
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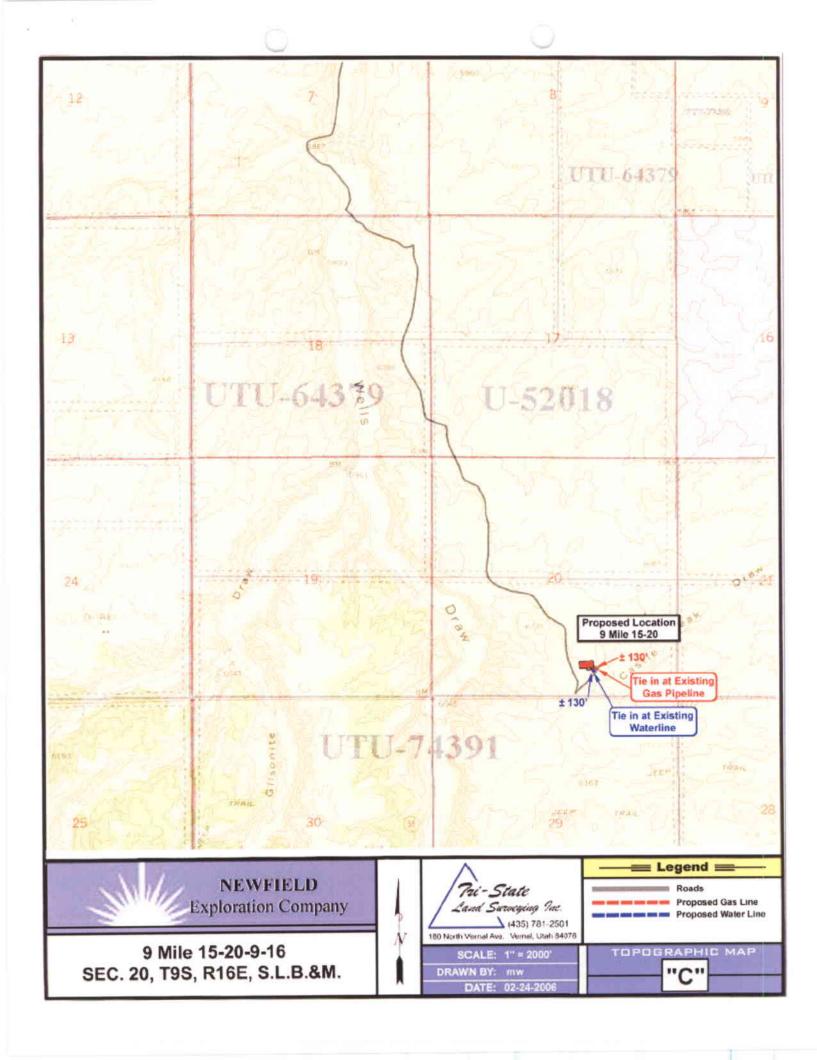
# NEWFIELD PRODUCTION COMPANY TYPICAL RIG LAYOUT 9 MILE 15-20-9-16



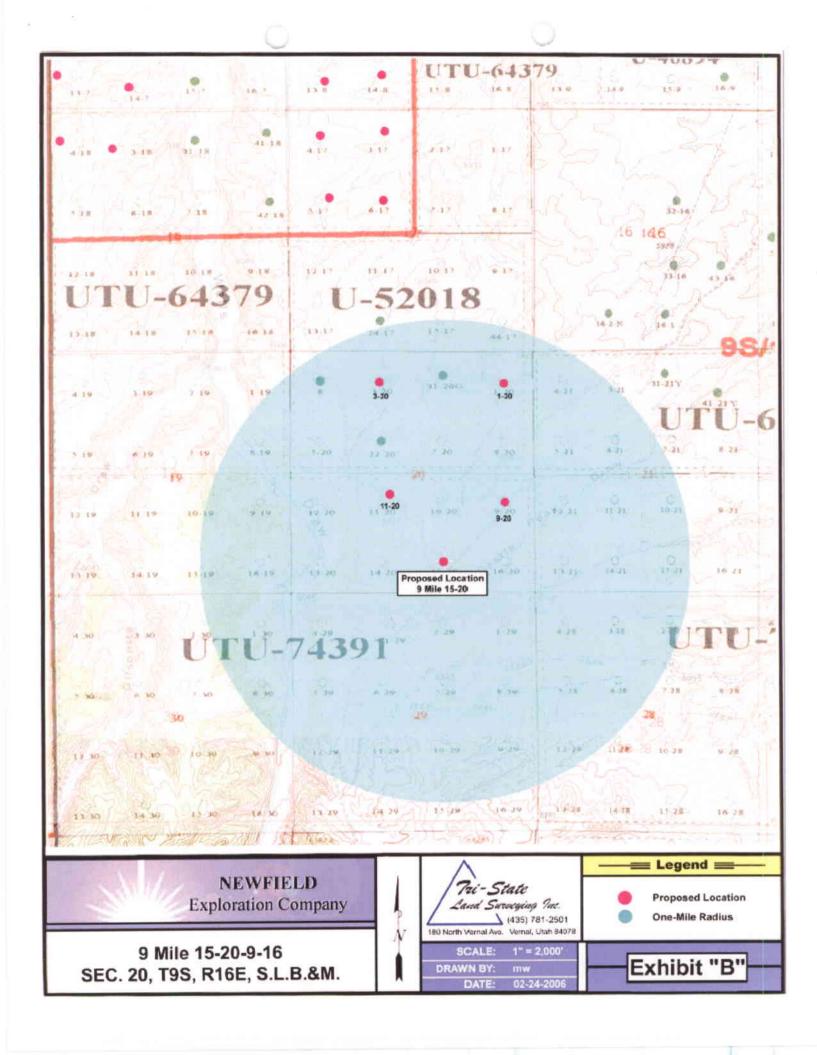
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DRAWN BY:	M. W.	DA TE:	2-23-06	$/$ $Land~Surveying, _$ 180 north vernal ave. Vern	INC. NAL, UTAH 84078





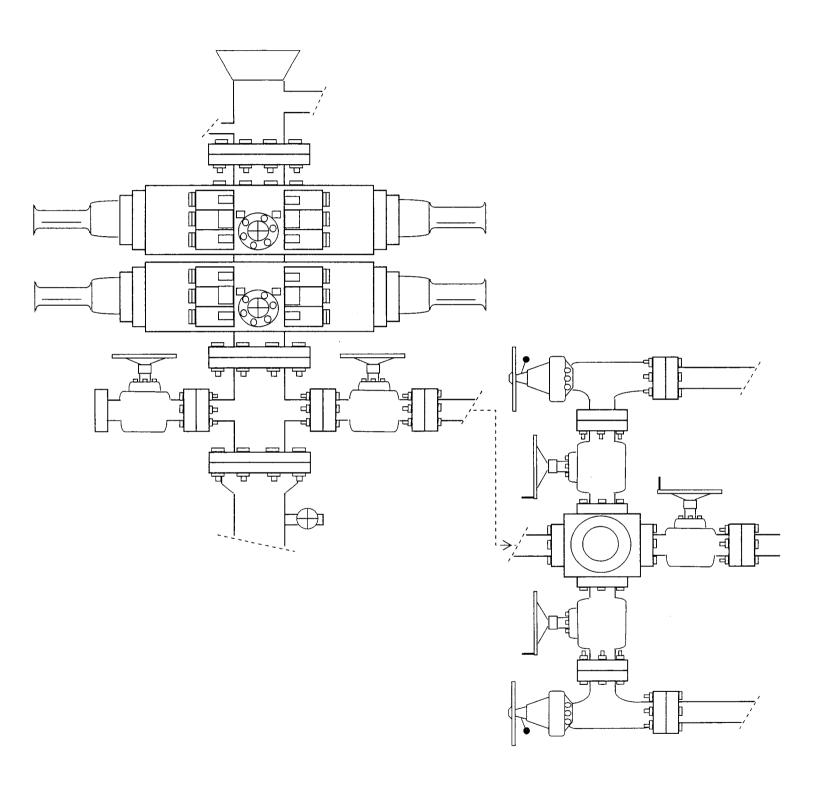


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#### 2-M SYSTEM

Blowout Prevention Equipment Systems



**EXHIBIT** C

Exhibit "0"
page 1 of a

#### CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S BLOCK PARCEL IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20, DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

Prepared For:

Bureau fo Land Management Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company Rt. 3 Box 3630 Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc. P.O. Box 147 Moab, Utah 84532

MOAC Report No. 05-225

July 13, 2005

United States Department of Interior (FLPMA)
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0668b

#### NEWFIELD PRODUCTION COMPANY

## PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE COUNTY, UTAH

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

#### REPORT OF SURVEY

Prepared for:

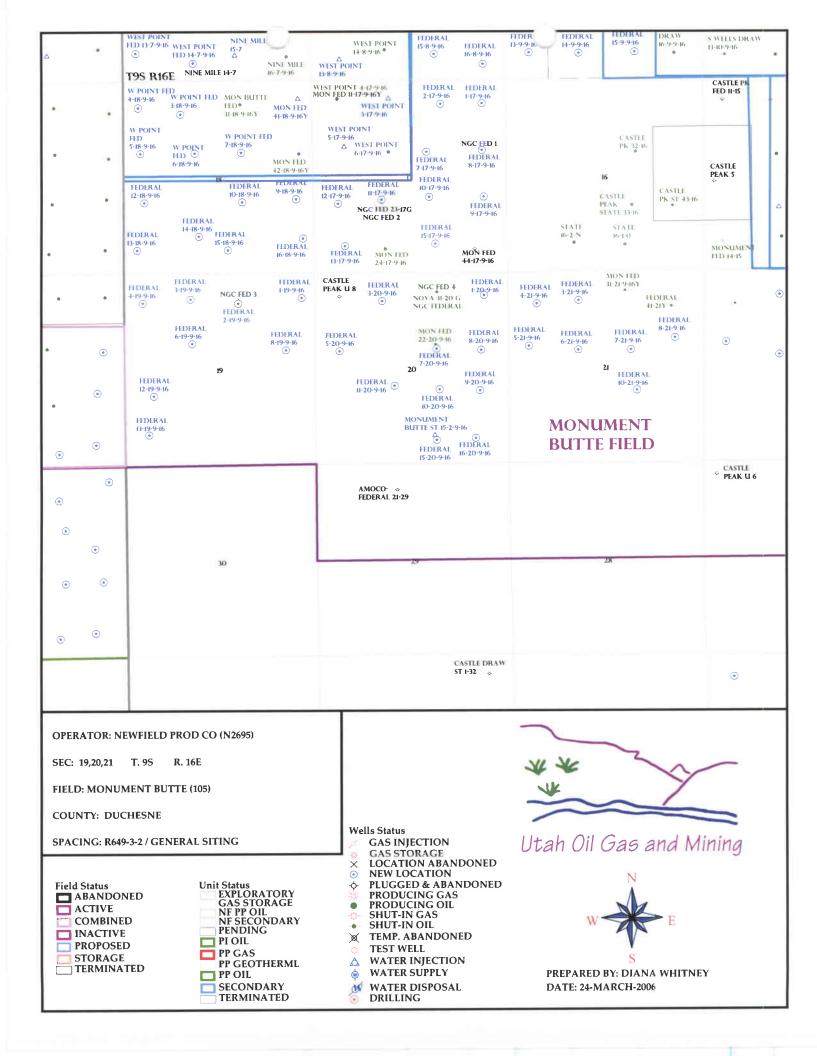
**Newfield Production Company** 

Prepared by:

Wade E. Miller Consulting Paleontologist November 10, 2005

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/21/2006	API NO. ASSIGNED: 43-013-33105							
NELL NAME: FEDERAL 15-20-9-16  DEPERATOR: NEWFIELD PRODUCTION ( N2695 ) PHONE NUMBER: 435-646-3721  CONTACT: MANDIE CROZIER								
PROPOSED LOCATION:	INSPECT LOCATN BY: / /							
SWSE 20 090S 160E	Tech Review Initials Date							
SURFACE: 0660 FSL 1980 FEL BOTTOM: 0660 FSL 1980 FEL	Engineering							
COUNTY: DUCHESNE	Geology							
LATITUDE: 40.01098 LONGITUDE: -110.1401 UTM SURF EASTINGS: 573389 NORTHINGS: 44291	Surface							
FIELD NAME: MONUMENT BUTTE ( 105  LEASE TYPE: 1 - Federal  LEASE NUMBER: UTU-74391  SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: GRRV COALBED METHANE WELL? NO							
RECEIVED AND/OR REVIEWED:  Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. UTB000192 )  Potash (Y/N)  Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit (No. MUNICIPAL )  RDCC Review (Y/N) (Date: )  NA Fee Surf Agreement (Y/N)  Intent to Commingle (Y/N)	LOCATION AND SITING:  R649-2-3.  Unit: R649-3-2. General         Siting: 460 From Qtr/Qtr & 920' Between Wells         R649-3-3. Exception  Drilling Unit         Board Cause No:         Eff Date:         Siting:  R649-3-11. Directional Drill							
Sop Soperate file  Stipulations: 1-led in Orgrand  2- Spacing Stop	)							





#### State of Utah

#### Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

March 27, 2006

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re: Federal 15-20-9-16 Well, 660' FSL, 1980' FEL, SW SE, Sec. 20, T. 9 South, R. 16 East, Duchesne County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33105.

Sincerely,

Gil Hunt

Associate Director

Siezet

pab Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator:	Newfie	d Production Company	
Well Name & Number	Federal	15-20-9-16	
API Number:	43-013-	33105	
Lease:	UTU-7	4391	
Location: SW SE	Sec. 20	T. 9 South	<b>R.</b> <u>16 East</u>

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

## RECEIVED

MAR 2 1 2006

Form 3160-3 OMB No. 1004-0136 (September 2001) Expires January 31, 2004 **UNITED STATES** 5. Lease Serial No. DEPARTMENT OF THE INTERIOR UTU-74391 BUREAU OF LAND MANAGEMENT 6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. ☐ REENTER Ia. Type of Work: □ DRILL 8. Lease Name and Well No. Oil Well Gas Well Gother Single Zone Multiple Zone Federal 15-20-9-16 1b. Type of Well: 9. API Well No. Name of Operator 43-013-33105 Newfield Production Company 10. Field and Pool, or Exploratory 3b. Phone No. (include area code) 3a. Address (435) 646-3721 Monument Butte Route #3 Box 3630, Myton UT 84052 11. Sec., T., R., M., or Blk. and Survey or Area Location of Well (Report location clearly and in accordance with any State requirements.\*) 660' FSL 1980' FEL At surface SW/SE Sec. 20, T9S R16E SW/SE At proposed prod. zone 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office\* UT Approximatley 15.1 miles southwest of Myton, Utah Duchesne 16. No. of Acres in lease 17. Spacing Unit dedicated to this well 15. Distance from proposed\* property or lease line, ft. 40 Acres Approx. 1980' f/lse, NA f/unit 2139.50 (Also to nearest drig. unit line, if any) 19. Proposed Depth 20. BLM/BIA Bond No. on file 18. Distance from proposed location\* to nearest well, drilling, completed, UTB000192 Approx. 2628' applied for, on this lease, ft. 5930' 23. Estimated duration 22. Approximate date work will start\* 21. Elevations (Show whether DF, KDB, RT, GL, etc.) Approximately seven (7) days from spud to rig release 2nd Quarter 2006 6153' GL 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: Bond to cover the operations unless covered by an existing bond on file (see 1. Well plat certified by a registered surveyor. Item 20 above). 2. A Drilling Plan. Operator certification. 3. A Surface Use Plan (if the location is on National Forest System Lands, the Such other site specific information and/or plans as may be required by the SUPO shall be filed with the appropriate Forest Service Office). authorized officer. Date Name (Printed/Typed) 25. Signature 3/17/06 Mandie Crozier Title Regulatory Specialist Date Name (Printed/Typed) Approved by (Signatur 2-8-2007 leid Manager Office Title ERNAL FIELD OFFICE Kands & Mineral Resources certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct Application approval does not warrant or Conditions of approval, if any, are attached.

\*(Instructions on reverse)

FEB 1 3 2007

DIV. OF OIL, GAS & MINING



Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person to the United States any false, fictitious or fraudulent statements or representations as to any matter within its number of the United States any false, fictitious or fraudulent statements or representations as to any matter within its number of the United States any false, first the statement of the United States any false, first the statement of the United States any false, first the statement of the United States any false, first the statement of the United States any false, first the statement of the United States any false, first the statement of the United States any false, first the statement of the United States any false, first the statement of the United States any false, first the statement of the United States and the States and the statement of the United States and the State



#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

170 South 500 East

After Hours Contact Number: 435-781-4513

**VERNAL, UT 84078** 

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

**Newfield Production Company Location: SWSE, Sec 20, T9S, R16E** Company:

UTU-74391 Well No: Federal 15-20-9-16 Lease No:

Agreement: N/A API No: 43-013-33105

Office: 435-781-4490 Cell: 435-828-4470 Matt Baker Petroleum Engineer: Office: 435-781-4432 Cell: 435-828-7875 Petroleum Engineer: Michael Lee Office: 435-781-4470 Cell: 435-828-7874 Petroleum Engineer: Jim Ashley Petroleum Engineer: Ryan Angus Office: 435-781-4430 Cell: 435-828-3913 Jamie Sparger Office: 435-781-4502 Supervisory Petroleum Technician: **Environmental Scientist:** Paul Buhler Office: 435-781-4475 Cell: 435-828-4029 Environmental Scientist: Karl Wright Office: 435-781-4484 Office: 435-781-4404 Holly Villa Natural Resource Specialist: Office: 435-781-4476 Melissa Hawk Natural Resource Specialist: Natural Resource Specialist: Chuck Macdonald Office: 435-781-4441 Office: 435-781-4447 Natural Resource Specialist: Darren Williams Office: 435-781-3402 Natural Resource Specialist: Verlyn Pindell

#### A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

#### NOTIFICATION REQUIREMENTS

Location Construction (Notify Chuck Macdonald) Forty-Eight (48) hours prior to construction of location and access roads.

Fax: 435-781-4410

Location Completion (Notify Chuck Macdonald) Prior to moving on the drilling rig.

Spud Notice

Twenty-Four (24) hours prior to spudding the well.

(Notify Petroleum Engineer)

Twenty-Four (24) hours prior to running casing and cementing all casing

strings.

Casing String & Cementing (Notify Jamie Sparger)

BOP & Related Equipment Tests (Notify Jamie Sparger)

Twenty-Four (24) hours prior to initiating pressure tests.

First Production Notice (Notify Petroleum Engineer) Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



COAs: Page 2 of 7 Well: Federal 15-20-9-16

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### LEASE STIPULATIONS

• Lands in this lease have been identified as containing Golden eagle and Ferruginous hawk habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and Ferruginous hawk and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

#### CONDITIONS OF APPROVAL

- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.

COAs: Page 3 of 7 Well: Federal 15-20-9-16

• If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

• The interim seed mix for this location shall be:

Indian Ricegrass (Oryzopsis hymenoides)

Needle and Threadgrass (Stipa comata):

Scarlet Globemallow (Sphaeralcea coccinea):

Winter Fat (Ceratoides lanata)

4 lbs/acre
1 lb/acre
3 lbs/acre

- All pounds are in pure live seed.
- Rates are set for drill seeding; double the rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil
  shall be respread, and the entire location shall be seeded with a seed mix recommended by the
  AO (preferably of native origin). Seed application will follow all guidelines in the interim seed
  mix bullet statement above. If reclamation seeding should take place using the broadcast
  method, the seed at a minimum will be walked into the soil with a dozer immediately after the
  seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

COAs: Page 4 of 7 Well: Federal 15-20-9-16

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- 1. A variance is granted for O.O. #2 III. E. 1.
  - a. The blooie line shall be straight or have targeted tees for bends in the line.
  - b. Not requiring an automatic igniter or continuous pilot on the blooie line.
- 2. Run a cement bond log from TD to the base of the surface casing shoe.

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- 3. <u>Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.</u>
- 4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement basket shall not be run on surface casing.

COAs: Page 5 of 7 Well: Federal 15-20-9-16

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).

- 6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- 7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- 8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office
  on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is
  completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys,

COAs: Page 6 of 7 Well: Federal 15-20-9-16

sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

- 11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
  - All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- 12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- 13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- 14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

COAs: Page 7 of 7 Well: Federal 15-20-9-16

f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
- h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

FORM 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
Budget Bureau No. 1004-013
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-74391

BUREAU OF LAND MANAGEMENT

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Do not use this form for proposals to drill or to deepen or reentry a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposals NA 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 8. Well Name and No. Oil Gas Other FEDERAL 15-20-9-16 Well Well 9. API Well No. 43-013-33105 2. Name of Operator **NEWFIELD PRODUCTION COMPANY** 10. Field and Pool, or Exploratory Area **MONUMENT BUTTE** 3. Address and Telephone No. Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721 11. County or Parish, State 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) **DUCHESNE COUNTY, UT.** 660 FSL 1980 FEL SW/SE Section 20, T9S R16E

12. CHECK APPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA						
TYPE OF SUBMISSION	TYPE OF ACTION							
X Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Permit Extension	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)						

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/27/06 (expiration 3/27/07).

Approved by the Utah Division of Oil, Gas and Mining

Date:

By:

**RECEIVED** 

MAR 0 9 200/

DIV. OF OIL, GAS & MINING

Conditions of approval, if any:

CC: Utah DOGM

<sup>13.</sup> Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

## Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

	43-013-33105			
Location:	Federal 15-20-9-16 SW/SE Section 20,7			
		Newfield Production Comp	anv	
	Permit Issued:		<b>,</b>	
above, hereby	verifies that the	h legal rights to drill on t information as submitte emains valid and does n		I
Following is a verified.	checklist of som	e items related to the a	pplication, which should	<u>be</u>
	rivate land, has t en updated? Yes	the ownership changed s □ No □ ()←)	, if so, has the surface	
		the vicinity of the propoents for this location? Ye	osed well which would aff es⊟ No <i>l</i> ⊒	ect
		ner agreements put in pl proposed well? Yes⊡ N	ace that could affect the lo⊠	
		to the access route including proposed location? Yes	luding ownership, or righ s□ No ☑	t-
Has the appro	ved source of wa	ater for drilling changed	? Yes□No₪	
Have there be which will requevaluation? Ye	ire a change in	changes to the surface plans from what was dis	location or access route scussed at the onsite	
Is bonding still	in place, which	covers this proposed w	ell? Yes ☑No □	
<u>Name</u> Signature	di Croz	· <del>5</del>	3/5/2007 Date	
	ry Specialist			
	-			RECEIVED
Representing:	Newfield Producti	ion Company		
		* *		MAK 0 9 2007

### **DIVISION OF OIL, GAS AND MINING**

#### **SPUDDING INFORMATION**

Name of Company: Newfield Pr	roduction Company	
Well Name: Federal 15-20-9-19		
API No: 43-013-33105	Lease Type: Federal	
Section 20 Township 09S	Range 16E County Duchesne	
Drilling Contractor NDSI	Rig #_ <b>NS#1</b>	
SPUDDED:		
Date <u>6-13-07</u>		
Time _ 9:30 AM		
How_Dry		
Drilling will Commence:_		
Reported by Justin Crum		
Telephone #_435-823-6733		
Date 6-13-07	Signed RM	

STATE OF UTAH DIVISION OF OIL, GAS AND MINING **ENTITY ACTION FORM -FORM 6** 

OPERATOR: NEWFIELD PRODUCTION COMPANY

OPERATOR ACCT, NO.

N2695

ADDRESS: RT. 3 BOX 3830 MYTON, UT 840.52 ACTION CURRENT NEW API NUMBER WELL NAME WELL LOCATION SPUO EFFECTIVE COOR EKTITY NO. ENTITY HO. QQ BC: TP RG COUNTY DATE DATE 99999 4301333068 FEDERAL 9-20-9-16 NESE 20 98 | 16E DUCHESNE 6/14/2007 WELL 1 COMMENTS: CURRENT ACTION API NUMBER WELL NAME WELL LOCATION SPUD **EFFECTIVE** CODE ENTITY NO. ENTITY NO. 00 SC TP RG COUNTY DATE 16201 99999 4301333105 **FEDERAL 15-20-9-16** 98 16E SWSE 20 DUCHESNE 6/13/2007 ACTION CURRENT WELL LOCATION API KUMBER WELL HAME SPUD EFFECTIVE ENTITY NO. EKILLA MO COUNTY **PLEASANT VALLEY FED** 6/21/07 99999 12277 4301333247 G-9-9-17

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WELL 5 COMMENTS:

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WELL 5 COMMENTS:

ACTION CODES (fine instantions on back of term)

- A seem entity for mourevel (single well only)
- 8- well to existing ortify (group or unit well)
- D- well from one existing entity to a new exity
- E ther fourthin in comments section)

RECEIVED

JUN 2 0 2007

Significa iction Clerk Prod

Jentri Park

June 20, 2007

NOTE: Use COMMENT section to explain why each Action Code was selected

DIV. OF OIL, GAS & MINING

FORM 3160-5 (September 2001)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

phandoned well. Use Form 3160-3 (APD) for such proposals

FORM A	PPROVED
OMB No.	1004-0135
Expires Janu	uary 31,2004

5. Lease Serial No.

	USA UT	J-74391	
,	If Indian,	Allottee or Tribe Name.	

abandoned w	vell. Use Form 3160-3 (A	PD) for such propo	sals.	o. If Indian, Allo	nee of Tribe Name.
	(GLY), k( \rd   1981) - (ga	Manufilip.	Colored State (1995)	7. If Unit or CA/	Agreement, Name and/or
1. Type of Well	Other			0. W. W. W.	137
2. Name of Operator	Uther Other			8. Well Name an FEDERAL 1	
NEWFIELD PRODUCTION CO	OMPANY			9. API Well No.	3-20-7-10
3a. Address Route 3 Box 3630		3b. Phone (includ	are code)	4301333105	
Myton, UT 84052		435.646.3721			ol, or Exploratory Area
4. Location of Well (Footage,	Sec., T., R., M., or Survey Descr	ription)		MONUMENT	
660 FSL 1980 FEL				11. County or Pa	rish, State
SWSE Section 20 T9S R16E				DUCHESNE,	UT
12. CHECK	K APPROPRIATE BOX(	ES) TO INIDICATE	NATURE OF	NOTICE, OR O	THER DATA
TYPE OF SUBMISSION		Т	YPE OF ACTIO	N	
□ Notice of Intent □ Subsequent Report □ Final Abandonment	Acidize Alter Casing Casing Repair Change Plans Convert to	Deepen Fracture Treat New Construction Plug & Abandon Plug Back	Reclam Recom		■ Water Shut-Off ■ Well Integrity ■ Other ■ Spud Notice
On 6/13/07 MIRU NDSI I Set @ 323 KB. On 6/18/0 sk yeild. Returned 8 bbls	NS # 1. Spud well @ 9:30 07 cement with 160 sks o s cement to pit. WOC.	AM. Drill 320' of 12 1 f class "G" w/ 3% Ca	/4" hole with ai CL2 + 1/4# sk	r mist. TIH W/ 7 v Cello- Flake Mixe	It's 8 5/8" J-55 24 # csgn. ed @ 15.8 ppg > 1.17 cf/
I hereby certify that the foregoing is	s true and	Title			
Correct (Printed/ Typed) Justin Crum		Drilling Fo	reman		
Signature .		Date			
Lesten	X Gum	06/27/2007			
		official burners on	into an estima	CATALLY STATES	
NVVV menter M. Part and Management and Color Color Per Fordal Committed designs of	All the state of t				
Approved by			e	Da	te
Conditions of approval, if any, are attach			ica		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

States any false, fictitious and fraudulent statements or representations as to any matter within its iurisdiction (Instructions on reverse)

which would entitle the applicant to conduct operations thereon,

RECEIVED

#### **NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

			8 5/8	CASING SET	AT	323.69				
LAST CASIN	IG 8 5/8"	set @	323.69		OPERATOR	<b>l</b>	Newfield I	Production C	ompany	
DATUM				<del></del>	WELL					
DATUM TO		ASING			FIELD/PROSPECT Monument Butte					
		AD FLANGE			CONTRACT	OR & RIG#		NDSI NS #1		
TD DRILLER	320'	LOGGE	 R							
HOLE SIZE	12 1/4	 }								
LOG OF CAS	SING STRIN	IG:								
PIECES	OD	ITEM - I	MAKE - DESCI	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH	
		Shoe	44.68'	····						
		WHI - 92 cs	g head				8rd	A	0.95	
7	8 5/8"	Maverick ST			24#	J-55	8rd	A	312.79	
			GUIDE	shoe			8rd	A	0.9	
CASING INV	ENTORY B	AL.	FEET	JTS	TOTAL LEN	GTH OF ST	RING	}	313.69 2	
TOTAL LENG	GTH OF ST	RING	313.69	7	LESS CUT OFF PIECE PLUS DATUM TO T/CUT OFF CSG					
LESS NON C	CSG. ITEMS	<u> </u>	1.85		PLUS DATUM TO T/CUT OFF CSG					
PLUS FULL	JTS. LEFT (	DUT	0		CASING SET DEPTH 323.					
	TOTAL		311.84		<b>-</b>  1					
TOTAL CSG	. DEL. (W/O	THRDS)	311.84	7	COMPAR	RE				
TIMING			1ST STAGE							
BEGIN RUN	CSG.	Spud	6/14/2007							
CSG. IN HOL	.E		6/14/2007	6:00 PM						
BEGIN CIRC		<del></del>	6/18/2007		RECIPROC	ATED PIPE	FOR	_NA		
BEGIN PUM	P CMT		6/18/2007	7:09 AM						
BEGIN DSPL	CMT		6/18/2007		BUMPED PI	LUG TO	754			
PLUG DOW		<u> </u>	6/18/2007	7:31 AM	<u></u>	D I				
CEMENT US				CEMENT CO		B. J.				
STAGE #SX				CEMENT TYP			4= 64 1 1 1			
1 160 Class "G" w/ 2% CaCL2 + 1/4#/sk Cell				1/4#/sk Cello-F	lake mixed @	) 15.8 ppg 1	.17 ct/sk yiei	<u>a</u>		
					_					
						CHONAL BAAR	/E 0 CDAC!	NG		
		TCHER PLAC				SHOW MAH	LE & SPACE			
Centralizers	- Middle fi	rst, top seco	ond & third for	3						

DATE 6/9/2007

COMPANY REPRESENTATIVE Justin Crum

FORM 3160-5 (September 2001)

(Instructions on reverse)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM A	APPR	οv	ED
OMB No	. 100	4-0	135
Expires Iss	nnary	31	200

	BUREAU OF LAND MANAG			5. Lease Serial No	),			
SUNDRY	( NOTICES AND REPORATE NOTICES AND REPORATE NOTICES AND REPORT OF THE NOTICE AND REPORT OF THE N	RTS ON WELLS drill or to re-enter a	ın	USA UTU-7439				
abandoned w	ell. Use Form 3160-3 (API	D) for such proposi	als.	6. If Indian, Allotte	ee or Tribe Name.			
1. Type of Well	(101) (C. 191) (Albertan) (Albertan) (Albertan)	ingirang ing 1976. Maganilang	+ ( 4 t	7. If Unit or CA/A	greement, Name and/or			
Oil Well Gas Well	Other			8. Well Name and	No.			
2. Name of Operator				FEDERAL 15-	-20-9-16			
NEWFIELD PRODUCTION CO	OMPANY	In n		9. API Well No.	** ***			
3a. Address Route 3 Box 3630 Myton, UT 84052		,	are code)	4301333105	as Esmlaratary Area			
	Sec., T., R., M., or Survey Descrip	435.646.3721 tion)			10. Field and Pool, or Exploratory Area  MONUMENT BUTTE  11. County or Parigh State			
SWSE Section 20 T9S R16E				DUCHESNE, U				
12. CHECK	X APPROPRIATE BOX(ES	S) TO INIDICATE 1	NATURE OF N	OTICE, OR OT	HER DATA			
			PE OF ACTION					
TYPE OF SUBMISSION		1.3	— —					
☐ Notice of Intent	Acidize	Deepen	=	on(Start/Resume)	☐ Water Shut-Off			
_	Alter Casing	Fracture Treat	Reclamat		Well Integrity			
Subsequent Report	Casing Repair	New Construction	Recomple		Other			
Final Abandonment	Change Plans Convert to	☐ Plug & Abandon☐ Plug Back	Tempora  Water Di	rily Abandon	Weekly Status Report			
13. Describe Proposed or Completed O				·				
log's TD to surface. PU 8 with 300 sks cement mix	875 hole with fresh water to & TIH with Guide shoe, shoe ed @ 11.0 ppg & 3.43 yld. <sup>-</sup> Bop's. Drop slips @ 95,000	e jt, float collar, 138 j Then 400 sks cemen	t's of 5.5 J-55, 1 t mixed @ 14.4	5.5# csgn. Set @ ppg & 1.24 yld. I	§ 6030' / KB. Cement			
I hereby certify that the foregoing i	s true and	Title				_		
correct (Printed/ Typed) Justin Crum	1	Drilling For	eman	····				
Signature		Date						
Lustran	lyms /	07/25/2007		2.4.2022	P. 71 S. 31 S. 34 S. 31 S. 31 S. 31	1 e 1 e 2		
	are fractions (comb	vtersin (filit va santti				影響		
Approved by		Titl	e	Date	·			
Conditions of approval, if any, are attack certify that the applicant holds legal or e which would entitle the applicant to con	quitable title to those rights in the subj	varrant or ect lease Off	ice					
Title 18 U.S.C. Section 1001 and Title 4 States any false, fictitious and fraudulen	3 U.S.C. Section 1212, make it a crime	e for any person knowingly a v matter within its iurisdictio	nd willfully to make to	any department or age	ncy of the United			

RECEIVED

# **NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

			5 1/2"	CASING SET	AT	6030.94			
					Fit clir @	5989.53'			
LAST CASIN	IG <u>8 5/8"</u>	SET A	AT 323'		OPERATOR	₹	Newfield F	Production (	Company
DATUM	12' KB				WELL	Federal 15	-20-9-16		
DATUM TO	CUT OFF CA	ASING _	12'		FIELD/PRO	SPECT _	Monumen	t Butte	
DATUM TO I	BRADENHE	AD FLANGE			CONTRAC	TOR & RIG#		NDSI # 1	
TD DRILLER	6065'	Loggers 606				_		ı	
HOLE SIZE	7 7/8"								
LOG OF CAS	SING STRIN	G:							
PIECES	OD	ITEM - I	MAKE - DESCI	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt							14
		Short jt	3995'(5.84')						
138	5 1/2"	ETC LT & C	casing		15.5#	J-55	8rd	Α	6009.48
	:	Float collar							0.6
11	5 1/2"	ETC LT&C	csg		15.5#	J-55	8rd	Α	34.21
			GUIDE	shoe			8rd	Α	0.65
CASING INV	ENTORY B	AL.	FEET	JTS	TOTAL LEN	IGTH OF ST	RING		6044.94
TOTAL LENGTH OF STRING			6044.94	138	LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS			1.25		PLUS DATUM TO T/CUT OFF CSG				0
PLUS FULL	JTS. LEFT C	DUT	0	0	CASING SET DEPTH 6030				6030.94
	TOTAL		6046.19	138	_ן				
TOTAL CSG	i. DEL. (W/O	THRDS)	6046.19	138	COMPARE				
TIMING			1ST STAGE	2nd STAGE					
BEGIN RUN	CSG.		7/20/2007	1:30 PM	GOOD CIRC THRU JOB NO				
CSG. IN HO	LE		7/20/2007	5:00 PM	Bbls CMT C	CIRC TO SUF	RFACE	0	
BEGIN CIRC	>		7/20/2007	6:00 PM	RECIPROC	ATED PIPE	FOR	THRUSTRO	KE NA
BEGIN PUM	P CMT		7/20/2007	6:50 PM	DID BACK	PRES. VALV	E HOLD ? _	Yes	
BEGIN DSP	L. CMT		7/20/2007	7:45 PM	BUMPED P	LUG TO _	2100		PSI
PLUG DOW	N		7/20/2007	8:18 PM					
CEMENT US	SED			CEMENT CO	MPANY-	B. J.			
STAGE	# SX			CEMENT TYP	E & ADDITI	VES			
1	325	Premlite II w	/ 10% gel + 3	% KCL, 5#'s /s	k CSE + 2# :	sk/kolseal + 1	/2#'s/sk Cell	o Flake	
		mixed @ 11	.0 ppg W / 3.43	3 cf/sk yield					
2	400	50/50 poz W	V/ 2% Gel + 3%	KCL, 5%EC1	,1/4# sk C.F	. 2% gel. 3%	SM mixed @	) 14.4 ppg W/	1.24 YLD
CENTRALIZ	ER & SCRA	TCHER PLAC	CEMENT			SHOW MAK	(E & SPACIN	NG	
Centralizers	s - Middle fi	rst, top seco	ond & third. Th	nen every thir	d collar for	a total of 20			
COMPANY F	REPRESEN'	TATIVE _	Justin Crum	1			DATE	7/21/2007	

FORM 3160-5 (September 2001)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

5. Lease Serial No.

_	•							٠.		
	T	IS.	A 1	T	TT	T *	71	20	١1	
	•	1.5		.,			14	ъ.	<i>7</i> I	

abandoned w	abandoned well. Use Form 3160-3 (APD) for such proposals.										
A SUBMIT IN	RIPLIFE ATE COMO	high deconstant everses	ile (2)	7. If Unit or CA/	Agreement, Name and/or						
1. Type of Well Oil Well Gas Well 2. Name of Operator	8. Well Name and No. FEDERAL 15-20-9-16										
NEWFIELD PRODUCTION Co 3a. Address Route 3 Box 3630 Myton, UT 84052	OMPANI	3b. Phone (include are	code)	9. API Well No. 4301333105 10. Field and Pool, or Exploratory Area							
4. Location of Well (Footage, 660 FSL 1980 FEL	Sec., T., R., M., or Survey De	escription)		MONUMENT 11. County or Par	<del></del>						
SWSE Section 20 T9S R16E				DUCHESNE,	UT						
12. CHECH	K APPROPRIATE BO	X(ES) TO INIDICATE NA	TURE OF NO	OTICE, OR O	THER DATA						
TYPE OF SUBMISSION		TYP	E OF ACTION	·							
Notice of Intent  Subsequent Report  Final Abandonment	Acidize Alter Casing Casing Repair Change Plans Convert to	Deepen Fracture Treat New Construction Plug & Abandon Plug Back	Reclamati	ete ily Abandon	Water Shut-Off Well Integrity Other						
13. Describe Proposed or Completed O proposal is to deepen directionally of	or recomplete horizontally, give s	nt details, including estimated starting	true vertical depths	of all pertinent mark	ers and zones. Attach the						

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.



I hereby certify that the foregoing is true and	Title	
correct (Printed/ Typed)  Mandie Crozier	Regulatory Specialist	
Signature / 6	Date	
11 lange Core	08/16/2007	
TEMPOSE AGE	វស់ស្ត្រីអំពីមន្តែវត្ត (១)សែវក App ស្រែកក្រ	View Carlotte Commence
Approved by	vojski popiosta vis od tosta vas i od tako. Title	Date

(Instructions on reverse)

States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

RECEIVED

*	STATE OF UTAH			
•	DEPARTMENT OF NATURAL R DIVISION OF OIL, GAS AN			5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74391
SUNDRY	NOTICES AND REPO	ORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	ll new wells, significantly deepen existing wells but laterals. Use APPLICATION FOR PERMIT TO			7. UNIT or CA AGREEMENT NAME:
OIL WELL	GAS WELL OTHER			8. WELL NAME and NUMBER: FEDERAL 15-20-9-16
NAME OF OPERATOR:		•		9. API NUMBER:
NEWFIELD PRODUCTION COM	PANY			4301333105
ADDRESS OF OPERATOR:		04050	PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630 CIT	Y Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE
FOOTAGES AT SURFACE: 660 FSL 19	80 FEL			COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP, RANGE.	MERIDIAN: SWSE, 20, T9S, R16E			STATE: UT
. CHECK APPROP	PRIATE BOXES TO INDICAT	E NATURE (	OF NOTICE, REPO	PRT, OR OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	
	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE T	REAT	SIDETRACK TO REPAIR WELL
	CASING REPAIR	NEW CONST		TEMPORARITLY ABANDON
Approximate date work will	CHANGE TO PREVIOUS PLANS	OPERATOR O		TUBING REPAIR
	i=	=		=
_	CHANGE TUBING	PLUG AND ABANDON		☐ VENT OR FLAIR
SUBSEOUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	L PLUG BACK		WATER DISPOSAL
Date of Work Completion:	CHANGE WELL STATUS	PRODUCTIO	N (START/STOP)	WATER SHUT-OFF
Date of Work Completion.	COMMINGLE PRODUCING FORMATIONS	RECLAMATI	ON OF WELL SITE	X OTHER: - Weekly Status Report
08/22/2007	CONVERT WELL TYPE	RECOMPLET	E - DIFFERENT FORMATION	
	MPLETED OPERATIONS. Clearly show a scompleted on 08/14/07, attached i			olumes, etc.
				AUG 2 9 2007
			Ξ	M. 0708. 0 mm

TITLE Production Clerk NAME (PLEASE PRINT) Jentri Park DATE\_\_\_08/22/2007 SIGNATURE\_

(This space for State vise only)

## **Daily Activity Report**

Format For Sundry FEDERAL 15-20-9-16 6/1/2007 To 10/30/2007

8/3/2007 Day: 1

Completion

Rigless on 8/2/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5948' & cement top @ 1137'. Perforate stage #1. BS sds @ 5823-31' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 142 BWTR. SIFN.

8/9/2007 Day: 2

Completion

Rigless on 8/8/2007 - RU BJ Services. 280 psi on well. Frac BS sds w/ 19,449#'s of 20/40 sand in 339 bbls of Lightning 17 fluid. Broke @ 2588 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2516 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2815 psi. Leave pressure on well. 481 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 10' perf gun. Set plug @ 5560'. Perforate CP1 sds @ 5446-56' w/ 3-1/8" Slick Guns w/ 4 spf for total of 40 shots. RU BJ Services. 1930 psi on well. Frac CP1 sds w/ 19,887#'s of 20/40 sand in 339 bbls of Lightning 17 fluid. Broke @ 3317 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2181 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2290 psi. Leave pressure on well. 820 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 5' perf gun. Set plug @ 5320'. Perforate LODC sds @ 5224-29' w/ 3-1/8" Slick Guns w/ 4 spf for total of 20 shots. RU BJ Services. 1462 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ Services. 1143 psi on well. Frac LODC sds w/ 15,479#'s of 20/40 sand in 292 bbls of Lightning 17 fluid. Broke @ 3538 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2849 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2870 psi. Leave pressure on well. 1112 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 10' perf gun. Set plug @ 5170'. Perforate LODC sds @ 5088-98' w/ 3-1/8" Slick Guns w/ 4 spf for total of 40 shots. RU BJ Services. 2470 psi on well. Frac LODC sds w/ 29,995#'s of 20/40 sand in 397 bbls of Lightning 17 fluid. Broke @ 3137 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2440 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2430 psi. Leave pressure on well. 1509 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 5' & 6' perf gun. Set plug @ 5030'. Perforate A1 sds @ 4924-29', A.5 sds @ 4888- 94' w/ 3-1/8" Slick Guns w/ 4 spf for total of 44 shots. RU BJ Services. 2032 psi on well. Frac A.5 & A1 sds w/ 31,089#'s of 20/40 sand in 391 bbls of Lightning 17 fluid. Broke @ 3978 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2233 psi @ ave rate of 24.8 BPM. ISIP 2255 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 4 1/2 hrs & died. Rec. 285 BTF. SIWFN w/ 1615 BWTR.

8/13/2007 Day: 3

Completion

Western #3 on 8/12/2007 - 50 psi on well. Bleed off pressure. MIRU Western #3.

ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & tbg. Tagged sand @ 5024'. Clean out sand to composite plug @ 5030'. RU Nabors power swivel. Drill out plugs & circulate sand. Plug @ 5030', Drilled out in 15 mins. Tagged sand @ 5135', C/O to plug @ 5170' (Drilled out in 15 mins). Tagged sand @ 5302', C/O to plug @ 5320' (Drilled out in 15 mins). Tagged sand @ 5487', C/O to plug @ 5560' (Drilled up in 15 mins). Tagged sand @ 5851'. C/O to PBTD @ 5996' Circulate well clean. RD power swivel. LD 2 jts of tbg. Lose a total of 45 BW while drilling. SIWFN w/ 1660 BWTR.

### 8/14/2007 Day: 4

Completion

Western #3 on 8/13/2007 - 50 psi on well. Bleed off pressure. RU swab equipment. IFL @ surface. Made 15 runs, Rec 130 BTF, FFL @ 1450'. No sand, Trace of oil. RD swab equipment. TIH w/ 2 jts of tbg. Tagged sand @ 5990'. C/O to PBTD @ 5996'. LD extra tbg. TOH w/ tbg. PU & RIH w/ production tbg as follows. NC, 2 jts, SN, 1 jt, 5 1/2" TA & 184 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 16,000#'s of tension w/ TA @ 5788', SN @ 5822', EOT @ 5886'. NU WH. PU & RIH w/ 2 1/2" X 1 1/2" X 16' RHAC "CDI", 6- 1 1/2" wt bars, 20- 3/4" guided rods, 105- 3/4" plain rods. SIWFN w/ 1585 BWTR.

### 8/15/2007 Day: 5

Completion

Western #3 on 8/14/2007 - Well on vacuum. Con't PU rods. Final rod detail as follows:  $2\ 1/2$ " X  $1\ 1/2$ " X 16' RHAC "CDI", 6-  $1\ 1/2$ " wt bars, 20- 3/4" guided rods, 105- 3/4" plain rods, 101- 3/4" guided rods, 1-2', 1-4', 1-6', 1-8' X 3/4" pony rods,  $1\ 1/2$ " X 26' polish rod. Hang head, Space out rods. Fill tbg w/  $2\ BW$ . Pressure test w/ unit to  $800\ psi$ . POP @  $10:00\ AM\ w/ 5\ SPM\ w/ 84$ " SL.  $1587\ BWTR$ .

Pertinent Files: Go to File List

FORM 3160-4 (July 1992) . SUBMIT IN DUPLICATE\* FORM APPROVED

(See other in-

OMB NO. 1004-0137

### structions ons **UNITED STATES**

Expires: February 28, 1995

JP

		DEPAR				INTER		reverse t		5. LEASE DESI		AND SERIAL NO. -74391	
WELL	COMPL						REPORT A	ND LOG	•	6. IF INDIAN,	ALLOTTEE	OR TRIBE NAME	
a. TYPE OF WORK		ou I		CAS			<b>–</b>			7. UNIT AGRE			
IL TYPE OF WELL		OIL WELL	X	GAS WELL	Ш	DRY	Other				Fee	deral	
Ib. TYPE OF WELL		_								8. FARM OR I	EASE NAM	IE, WELL NO.	
NEW X	WORK OVER	DEEPEN		PLUG BACK		DIFF RESVR.	Other			F	ederal	15-20-9-16	
2. NAME OF OPERATOR			<u> </u>	- 1 1			······································			9. WELL NO.			
3. ADDRESS AND TELEP	HONE NO.	Ne	wtield E	xpiorat	ion Co	ompany				10. FIELD ANI		3-33105 WILDCAT	
		1401 17th										ent Butte	
4. LOCATION OF WEI At Surface	LL (Report 100						o, T9S, R16E			OR AREA	, M., OK BL	OCK AND SURVEY	
At top prod. Interval rep	orted below									S	ec. 20,	T9S, R16E	
At total depth				14. API NO.			DATE ISSUED	)		12. COUNTY O	R PARISH	13. STATE	
				43-	-013-3			3/27/07			esne	UT	
06/13/07	16. DATE T.D. <b>07</b>	REACHED 7/19/07	17. DA	TE COMPL. ( <b>08</b> /	Ready to p 14/07			df, rkb, rt, gr, e 7' GL	TC.)*	6639' KE	3	19. ELEV. CASINGHE	.AD
20. TOTAL DEPTH, MD &	TVD	21. PLUG BAC	K T.D., MD	& TVD		IF MULTIPLE		23. INTERVALS DRILLED BY	ROT.	ARY TOOLS		CABLE TOOLS	
6065'			5996'			HOW MAN I		>		X			
24. PRODUCING INTERV	AL(S), OF THIS	COMPLETION										25. WAS DIRECTION SURVEY MADE	AL
				Green	River	4888'-	5831'					No	
6. TYPE ELECTRIC AND			naatad	Donoit	, Con	nnonnat	od Noutron	CP Coliner	Come	ont Bond		27. WAS WELL CORE	D
Dual Induction	Guaru, S	e, Compe	iisaleu			•	rt all strings set in		, Ceine	SIIL BOILG	Lug	NO	
CASING SIZE/G 8-5/8" - J		WEIGHT,			гн set (м 324'	1D)	HOLE SIZE 12-1/4"			MENTING REC		AMOUNT PULL	ED
5-1/2" - J		15.			6031' 7-7/8"			To surface with 160 sx Class 325 sx Premlite II and 400 sx 5					
SIZE	TOF	(MD)	BOTTO	M (MD)	SACK	S CEMENT*	SCREEN (MD)	30. SIZE	T	TUBING REC DEPTH SET (MI		PACKER SET (M	ID)
								2-7/8"		EOT @ 5886'		TA @ 5788'	
1. PERFORATION REC	ORD (Interval,	size and number					32.	ACID, SHOT	, FRACT		T SQUEE		
	ERVAL		<u>SI</u>	ZE		NUMBER		ERVAL (MD)		AMOUNT ANI	KIND OF	MATERIAL USED	
		5823'-5831' 5446'-5456'		9" 3"		4/32 4/40		-5831' -5456'		· ·		and in 339 bbls fl and in 339 bbls fl	
		5224'-5229'		3"		4/20		-5 <del>4</del> 50' -5229'				and in 292 bbls fl	
		5088'-5098'		3"		4/40		-5098'	Frac	w/ 29,995#	20/40 sa	and in 397 bbls fl	uid
(A1, A.5) 49	924'-4929',	4888'-4894'	.4	3"	4	4/44	4888'	-4929'	Frac	w/ 31,089#	20/40 sa	ınd in 391 bbls fl	uid
							-					н.	
				-									
33.*		Lancarionio		(2)	**^	PRODUC				T	WELL OF	ATTIO (D. 1.)	
DATE FIRST PRODUCTION 08/14/0		PRODUCTIO					KHAC SM PIL					ATUS (Producing or shi RODUCING	11-1ft)
DATE OF TEST	НО	URS TESTED	СНОКІ	SIZE	PROD'N. TEST PE		LBBLS.	GASMCF.	WATE	RBBL.		GAS-OIL RATIO	
10 day av						>	27	0		64		0	
FLOW. TUBING PRESS.	CA	SING PRESSURE		ILATED JR RATE	OIL	BBL.	GASMCF.	MILL	WATER	BBL.	JIL GRAVIT	Y-API (CORR.)	
n proposition in the state of t				>		10-1		AUG 7 9 2	007	TEST WITNESS	SED BY		
4. DISPOSITION OF GAS	(Sold, used for	tuel, vented, etc.)	<b>⊊</b> old	& Used	for Fu	<u>uel</u>				LEST WITNESS	PED RA		
35. LIST OF ATTACHME	NTS		/				DIV. (	OF OIL, GAL					
36. I hereby certify that	the formulain-	and attached	formation:	s complete :	and corre	ct as determi	ned from all availab	ile records					
signed	アバイス	A A A A A A A A A A A A A A A A A A A	Julianon 1	- complete t	00116	CL as determi	Pr	oduction Cl	erk		DATE	8/24/200	7

Jentr Park

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all 38. drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and **GEOLOGIC MARKERS** recoveries); FORMATION TOP воттом DESCRIPTION, CONTENTS, ETC. TOP NAME TRUE MEAS. DEPTH VERT. DEPTH Garden Gulch Mkr Well Name 3560' Federal 15-20-9-16 Garden Gulch 1 3754' Garden Gulch 2 3859' Point 3 Mkr 4104' X Mkr 4374' Y-Mkr 4406' Douglas Creek Mkr 4516' BiCarbonate Mkr 4742' B Limestone Mkr 4830' Castle Peak 5409' Basal Carbonate 5854' Wasatch 5976' Total Depth (LOGGERS 6060'

Sundry Number: 24979 API Well Number: 43013331050000

	STATE OF UTAH		FORM 9						
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391						
SUNDF	RY NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizor n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)						
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: FEDERAL 15-20-9-16						
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013331050000						
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE								
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1980 FEL			COUNTY: DUCHESNE						
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 20 Township: 09.0S Range: 16.0E Meridi	an: S	STATE: UTAH						
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA						
TYPE OF SUBMISSION		TYPE OF ACTION							
	ACIDIZE	ALTER CASING	CASING REPAIR						
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME						
	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE						
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION						
4/17/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK						
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION						
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON						
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL						
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION						
	WILDCAT WELL DETERMINATION	OTHER	OTHER:						
The subject well he injection well on to State of Utah DOC above listed well. Opsig and charted for injecting during the									
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBE 435 646-4874	R TITLE Water Services Technician							
SIGNATURE N/A		<b>DATE</b> 4/20/2012							

Sundry Number: 24979 API Well Number: 43043 Blu500000

# Casing or Annulus Pressure Test

# **Newfield Production Company**

Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

pm

Witness: Chris Jensen  Test Conducted by: Trent Horrocks  Others Present: Don Trane	Date <u>4 / 17 / 12</u> Time <u>//:30</u>
Well: Federal 15.20.9.16  Well Location: Fed. 15.20.9.16  SWISE Sec. 20 Tas RIGE Duch Cuty UT	Field: Monument Burne API No: 43.013-33105
0 min 5 10 15 20 25 30 min 35 40 45 50 55	Casing Pressure           1175         psig           1175         psig           1175         psig           1175         psig           1175         psig           1175         psig           psig         psig
Tubing pressure:  Result: Pa  Signature of Witness: Signature of Person Conducting	psig psig psig psig Fail

1

Sundry Number: 24979 API Well Number: 43013331050000 MIDNIGHT .2250--2000--1750-1500 -1250--1000 // // 500 CHART NO. MP-2500-24HR DISC NO.\_ METER\_ TAKEN OFF CHART PUT NO TIME 11:00 A M DATE 4- 17-12 TIME\_10:30A\_M DATE 4-17-12 LOCATION Fed 16-20-9-16
REMARKS Conversion MIT 6 PM 00 .0001

1260-

.2220-

NOON

5

L

01

1

Sundry Number: 24979 API Well Number: 43013331050000

Page 1 of 2 Summary Rig Activity

# **Daily Activity Report**

Format For Sundry FEDERAL 15-20-9-16 2/1/2012 To 6/30/2012

4/12/2012 Day: 1

Conversion

NC #3 on 4/12/2012 - MIRUSU, LD rods - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead, Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csq @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70-3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csq @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csg @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153-jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153-jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Road rig to location. MIRUSU, Pump 60 bbls water down csq @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Road rig to location, MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Pump 50 bbls fresh water w/ packer fluid down csg. ND

Sundry Number: 24979 API Well Number: 43013331050000
Summary Rig Activity
Page 2 of 2

wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csa @1500 psi, Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csg @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csg @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153-jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153-jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153-jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20-3/4 guided, 6-11/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD.

Daily Cost: \$0

Cumulative Cost: \$43,967

### 4/18/2012 Day: 4

Conversion

Rigless on 4/18/2012 - Conduct initial MIT - On 04/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/17/2012 the casing was pressured up to 1175 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 75 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/17/2012 the casing was pressured up to 1175 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 75 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized** 

Daily Cost: \$0

Cumulative Cost: \$88,367

Pertinent Files: Go to File List

Sundry Number: 27960 API Well Number: 43013331050000

	STATE OF UTAH		FORM 9		
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391		
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal I n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)		
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: FEDERAL 15-20-9-16		
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013331050000		
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,		ONE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1980 FEL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 0 Township: 09.0S Range: 16.0E Meridian: 9	S	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN F	FRACTURE TREAT	☐ NEW CONSTRUCTION		
7/18/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐ S	SI TA STATUS EXTENSION	APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION ✓ C	OTHER	OTHER: Put on Injection		
			*		
	COMPLETED OPERATIONS. Clearly show all per rence well was put on injection	_	epths, volumes, etc.		
	07/18/2012.	at 10.00 AW OII	Accepted by the Utah Division of		
	0771072012.		Oil, Gas and Mining		
			FOR RECORD ONLY		
			July 25, 2012		
		I			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician			
SIGNATURE	100 000 1011	DATE			
N/A		7/23/2012			

RECEIVED: Jul. 23, 2012



# RECEIVED FEB 1 7 2012

February 9, 2012

DIV. OF OIL, GAS & MINING

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE:

Permit Application for Water Injection Well

Federal #15-20-9-16

Monument Butte Field, Lease #UTU-74391

Section 20-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #15-20-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg Regulatory Lead

# NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

FEDERAL #15-20-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

**LEASE #UTU-74391** 

**FEBRUARY 9, 2012** 

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LETTER OF INTENT **COVER PAGE** TABLE OF CONTENTS UIC FORM 1 – APPLICATION FOR INJECTION WELL WELLBORE DIAGRAM OF PROPOSED INJECTION WORK PROCEDURE FOR INJECTION CONVERSION **COMPLETED RULE R615-5-1 QUESTIONNAIRE COMPLETED RULE R615-5-2 QUESTIONNAIRE** ATTACHMENT A ONE-HALF MILE RADIUS MAP ATTACHMENT A-1 WELL LOCATION PLAT ATTACHMENT B LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS ATTACHMENT C CERTIFICATION FOR SURFACE OWNER NOTIFICATION ATTACHMENT E WELLBORE DIAGRAM - FEDERAL #15-20-9-16 **ATTACHMENT E-1** WELLBORE DIAGRAM - FEDERAL #7-20-9-16 **ATTACHMENT E-2** WELLBORE DIAGRAM - FEDERAL #8-20-9-16 WELLBORE DIAGRAM – FEDERAL #9-20-9-16 **ATTACHMENT E-3 ATTACHMENT E-4** WELLBORE DIAGRAM - FEDERAL #10-20-9-16 WELLBORE DIAGRAM - FEDERAL #11-20-9-16 **ATTACHMENT E-5** ATTACHMENT E-6 WELLBORE DIAGRAM - FEDERAL #16-20-9-16 **ATTACHMENT E-7** WELLBORE DIAGRAM – FEDERAL #13-21-9-16 **ATTACHMENT E-8** WELLBORE DIAGRAM - FEDERAL #1-29-9-16 **ATTACHMENT E-9** WELLBORE DIAGRAM - FEDERAL #2-29-9-16 **ATTACHMENT E-10** WELLBORE DIAGRAM - FEDERAL #3-29-9-16 ATTACHMENT F WATER ANALYSIS ATTACHMENT G FRACTURE GRADIENT CALCULATIONS **ATTACHMENT G-1** FRACTURE REPORTS DATED - 8/3/07 - 8/15/07 ATTACHMENT H WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON **ATTACHMENT H-1** WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

## STATE OF UTAH DIVISION OF OIL, GAS AND MINING

ADDRESS

Approval Date

Comments:

### **APPLICATION FOR INJECTION WELL - UIC FORM 1**

1001 17th Street, Suite 2000

OPERATOR Newfield Production Company

	Denver, Colorado 80202									
Well Name a	and num	ber:	Federal #	15-20-9-16						
Field or Unit	name:	Monument B	utte (Green	River)				Lease No.	UTU-7439	91
Well Location	n: QQ _	SWSE	section	20	_ township .	9S	_range	16E	county	Duchesne
Is this applic	ation for	expansion o	f an existing	g project? .			Yes [X]	No [ ]		•
Will the prop	osed we	ell be used fo	r:	Disposal?	d Recovery?		Yes[]	No [ X ]		
Is this application If this application has a casin Date of tes API number	ation is fong test but:	or an existing een performe	ı well,							
Proposed injournment of the will be a proposed injuried to the proposed inju	aximum ection zo	injection:	from rate [x ] oil, [ ] g		to _pressure [ ] fresh wa	5976 2223 ter within 1	psig /2			
		IMPOR1	ANT:		l information any this form.	as required	by R615	-5-2 should		
List of Attach	ments:	<u></u>	Attachmer	nts "A" thro	ugh "H-1"					
						· · · · · · · · · · · · · · · · · · ·				
I certify that t	his repo	rt is true and	complete to	o the best	of my knowled	dge.	. 1			
Name:	Eric S	Sundberg			Signature					
Title Phone No.	Regu	latory Lead 893-0102			_ Date	13/12				-
(State use or		bv		<u></u>			Title			

Spud Date: 6-13-07 Put on Production: 08-14-07 GL: 6153' KB: 6165'

Federal 15-20-9-16

660' FSL & 1980' FEL

SW/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33105; Lease # UTU-74391

# Federal 15-20-9-16

Proposed Injection Wellbore Diagram Initial Production: BOPD, MCFD, BWPD

#### SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 08-08-07 5823-5831' Frac BS sands as follows: 19449# 20/40 sand in 339 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2516 psi w/avg rate of 24.8 BPM. ISIP 2815 psi. Calc Casing Shoe @ 324' WEIGHT: 24# flush: 5821 gal. Actual flush: 5292 gal. LENGTH: 7 jts (312.79') 08-08-07 5446-54563 Frac CP1 sands as follows: DEPTH LANDED: 323,69' KB 19887# 20/40 sand in 339 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 2181 psi w/avg rate of 24.8 BPM. ISIP 2290 psi. Calc TOC @ 1137' CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf. flush: 5444 gal. Actual flush: 4914 gal. 08-08-07 5224-5229 Frac LODC sands as follows: 15479# 20/40 sand in 292 bbls Lightning 17 frac fluid. Treated @ avg press of 2849 psi w/avg rate of 24.8 BPM. ISIP 2870 psi. Calc flush: 5222 gal. Actual flush: 4717 gal. **PRODUCTION CASING** 08-08-07 5088-5098 Frac LODC sand as follows: 29995# 20/40 sand in 397 bbls Lightning 17 CSG SIZE: 5-1/2" frac fluid. Treated @ avg press of 2440 w/ avg rate of 24.8 BPM. ISIP 2430 psi. Calc GRADE: J-55 flush: 5086 gal. Actual flush: 4578 gal WEIGHT: 15,5# LENGTH: 139 jts. (6043.69') 08-08-07 4888-4929 Frac A1, & A.5 sand as follows: 31089# 20/40 sand in 391 bbls Lightning 17 DEPTH LANDED: 6030.94' KB frac fluid. Treated @ avg press of 2233 w/ HOLE SIZE: 7-7/8' avg rate of 24.8 BPM. ISIP 2255 psi. Calc flush: 4886 gal. Actual flush: 4830 gal. Major workover. Acidized fracs and updated CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. 4-10-08 CEMENT TOP AT: 1137 rod and tubing details. 07/15/11 Pump Change. Rods & tubing updated. **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 / 6,5# NO. OF JOINTS: 184 jts (5776.0') TUBING ANCHOR: 5776' KB NO. OF JOINTS: 1 jts (31.10') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5809.9' KB NO. OF JOINTS: 2 jts (62.90') TOTAL STRING LENGTH: EOT @ 5874' KB Packer @ 4838' PERFORATION RECORD 4924-4929' 08-02-07 5823-5831' 4 JSPF 32 holes 08-08-07 5446-5456' 4 ISPF 40 holes 5088-50983 08-08-07 5224-5229' 20 holes 08-08-07 5088-5098' 4 JSPF 40 holes 08-08-07 4924-4929' 4 JSPF 20 holes 5224-5229 08-08-07 4888-4894' 4 JSPF 24 holes = 5446-5456° 5823-5831' **NEWFIELD** PBTD @ 5996'

TD @ 6065

### WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

# REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
  - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17<sup>th</sup> Street, Suite 2000 Denver, Colorado 80202

A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #15-20-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #15-20-9-16 well, the proposed injection zone is from Garden Gulch to Wasatch (3857' - 5976'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3537' and the TD is at 6065'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #15-20-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-74391) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

# REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 324' KB, and 5-1/2", 15.5# casing run from surface to 6031' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2223 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #15-20-9-16, for existing perforations (4888' - 5831') calculates at 0.89 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2223 psig. We may add additional perforations between 3537' and 6065'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #15-20-9-16, the proposed injection zone (3857' - 5976') is in the Garden Gulch to the Wasatch of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

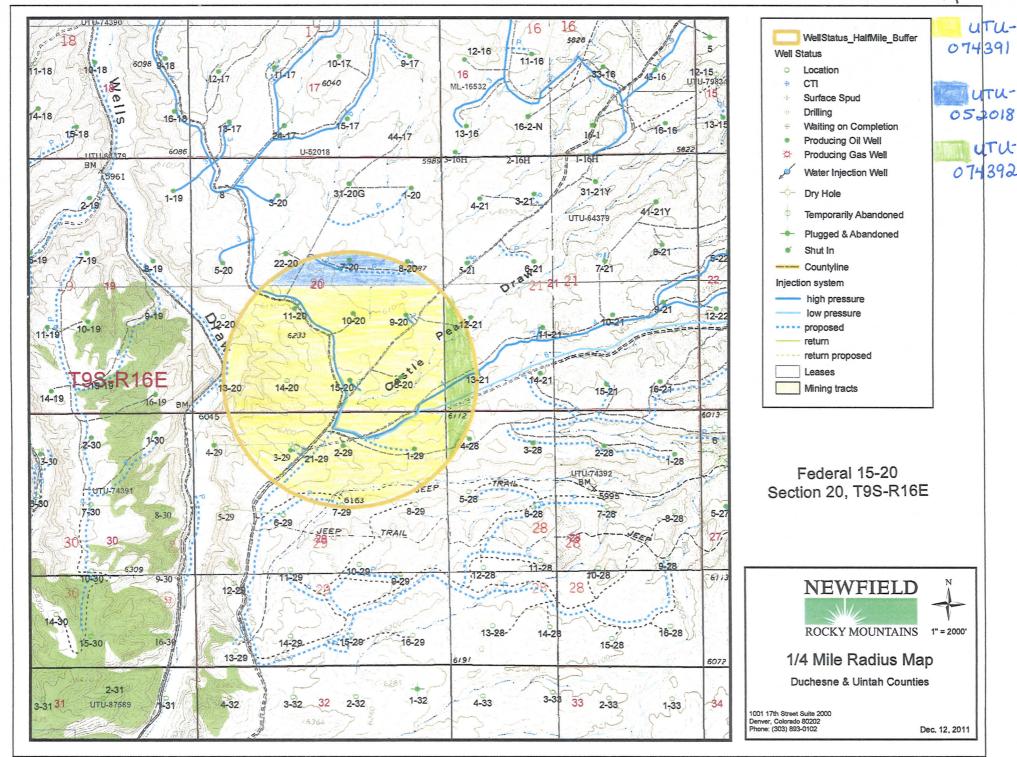
2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

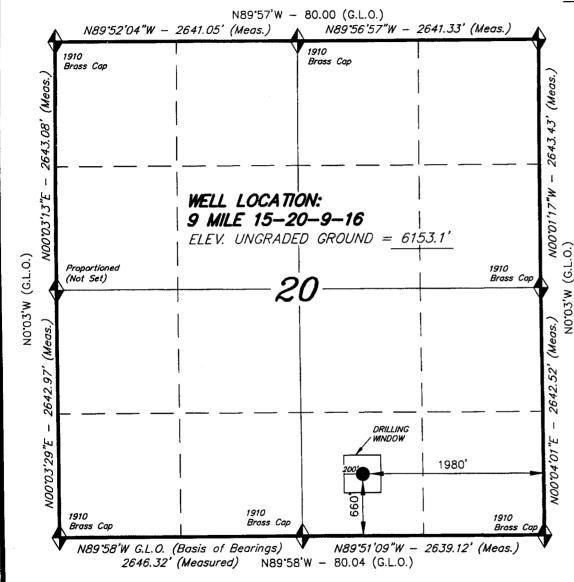
2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

# ATTACHMENT A



# T9S, R16E, S.L.B.&M.



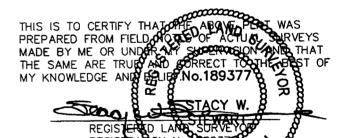
♠ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW) 9 MILE 15-20-9-16 (Surface Location) NAD 83 LATITUDE = 40° 00′ 39.48″ LONGITUDE = 110° 08′ 26.96″

# NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 15-20-9-16, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 20, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.





# TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(400) 751 2001		
DATE SURVEYED: 2-16-06	SURVEYED BY: K.S.	
DATE DRAWN: 2-23-06	DRAWN BY: M.W.	
REVISED:	SCALE: 1" = 1000'	

## **EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 19: E2SW, SE, LOTS 3,4	UTU-74391	Newfield RMI LLC	
	Section 20: S2	НВР	ABO Petroleum Corporation	
	Section 29: ALL		MYCO Industries Inc	
	Section 30: ALL		OXY Y-1 Company	
			Yates Petroleum Corp	
2	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 17: S2	UTU-52018	Newfield RMI LLC	
	Section 20: N2	НВР		
3	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 21: S2	UTU-74392	Newfield RMI LLC	
	Section 22: NENE, S2	НВР	ABO Petroleum Corporation	
	Section 23: SWSW		MYCO Industries Inc	
	Section 24: SESE		OXY Y-1 Company	
	Section 26: NENE		Yates Petroleum Corp	
	Section 27: ALL		·	
	Section 28: ALL			

### ATTACHMENT C

# CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE:	Application for Approval of Class II Injection Well Federal #15-20-9-16
I hereby one-half	certify that a copy of the injection application has been provided to all surface owners within a f mile radius of the proposed injection well.
Signed:	Newfield Production Company Eric Sundberg Regulatory Lead
Sworn to	o and subscribed before me this 9th day of February, 2012.
Notary I	Public in and for the State of Colorado: <u>ANAICL</u> Julity
My Con	My Commission Expires  02/10/2013  My Commission Expires  02/10/2013

# ATTACHMENT E

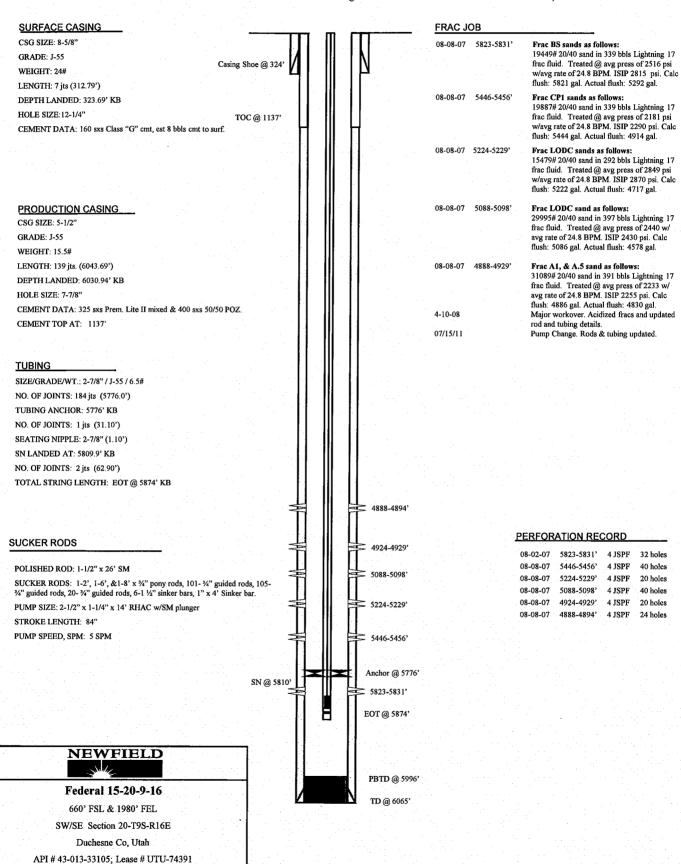
Spud Date: 6-13-07 Put on Production: 08-14-07

GL: 6153' KB: 6165'

# Federal 15-20-9-16

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD



# ATTACHMENT E-/

# Federal 7-20-9-16

Spud Date: 6-6-07

CSG SIZE: 8-5/8"

LENGTH:.7 ints (306.9')

HOLE SIZE:12-1/4"

DEPTH LANDED: 318,75° KB

GRADE: J-55

WEIGHT: 24#

Put on Production: 8-12-05

GL: 6078' KB: 6090' SURFACE CASING

### Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

#### FRAC JOB

7-9-07 4946-4957

7-9-07 4655-4668

6/9/09

5/26/11

4655-4668

4946-4957

5030-5038

Anchor @ 5251'

5279-5290'

EOT @ 5339'

PBTD @ 58793

SHOE @ 5932'

TD @ 5950'

7-9-07 5279-5290" Frac LODC, sands as follows: 29,554# 20/40 sand in 370 bbls Lightning 17

frac fluid. Treated @ avg press of 1987 psi w/avg rate of 24.7 BPM. ISIP 2284 psi. Calc flush: 5277 gal. Actual flush: 4746 gal.

Frac LODC sands as follows: 7-9-07 5030-5038

24,274# 20/40 sand in 368 bbls Lightning 17 frac fluid. Treated @ avg press of 2044 psi w/avg rate of 24.7 BPM. ISIP 2143 psi. Calc flush: 5028 gal. Actual flush: 4557 gal. Frac A3 sands as follows:

40,017# 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 1862 psi w/avg rate of 24.7 BPM. ISIP 2238 psi. Calc flush: 4944 gal. Actual flush: 4389 gal. Frac D3 sands as follows:

48,763# 20/40 sand in 450 bbls Lightning 17 frac fluid. 24.8 BPM. Calc flush: 4653 gal. Actual flush: 4578 gal

Stuck Pump. Updated rod & tubing details.

Pump Change. Updated rod and tubing detail.

### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55

WEIGHT: 15.5# LENGTH: 1343 jts. (5918.61')

DEPTH LANDED: 5931.86' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ

CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

CEMENT TOP AT: 48

#### **TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 166 jts (5239.4') TUBING ANCHOR: 5239.4' KB NO. OF JOINTS: 1 jts (31.60') SEATING NIPPLE; 2-7/8" (1.10') SN LANDED AT: 5273 8' KB NO. OF JOINTS: 2 its (63.2') TOTAL STRING LENGTH: EOT @ 5339'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM

750' Guided Rods, 6- 1 1/2 = 150' Sinker Bars.

PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16' RHAC

STROKE LENGTH: 84" PUMP SPEED, 5 SPM

### PERFORATION RECORD

7-3-07 5279-5290' 4 JSPF 44 holes 7-9-07 5030-5038' 4 JSPF 32 holes 7-9-07 4946-4957' 4 JSPF 44 holes 7-9-07 4655-4668° 4 JSPF 52 holes

# NEWFIELD

### Federal 7-20-9-16

2098' FNL & 1961' FEL SW/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33106; Lease #UTU-52018

# ATTACHMENT E-2

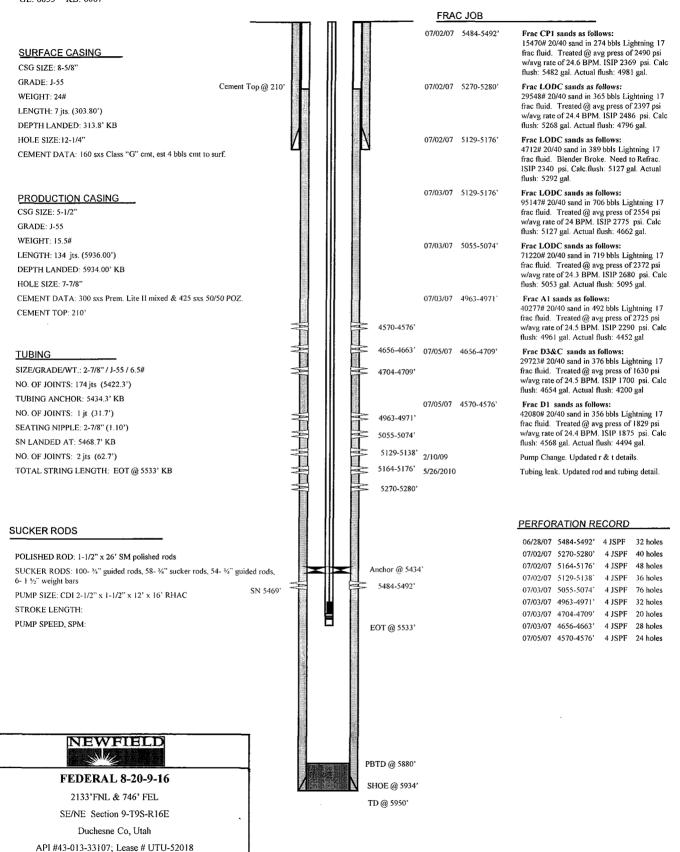
## FEDERAL 8-20-9-16

Spud Date: 06/05/07 Put on Production: 07/09/07

GL: 6055' KB: 6067'

Wellbore Diagram

Initial Production: BOPD, MCFD. BWPD



# ATTACHMENT E-3

# Federal 9-20-9-16

Spud Date: 6-14-07 Put on Production: 8-23-07

GL: 6095' KB: 6107'
SURFACE CASING

CSG SIZE: 8-5/8"

LENGTH: 7 its (302.22')

HOLE \$17E-12-1/4"

DEPTH LANDED: 313.12' KB

GRADE: J-55

WEIGHT: 24#

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

#### FRAC JOB

08-17-07 5248-5254' Frac L

Frac LODC sands as follows: 14994# 20/40 sand in 282 bbls Lightning 17 frac fluid. Treated@avg press of 2477 psi

frac fluid. Treated @ avg press of 2477 psi w/avg rate of 24.8 BPM, ISIP 2540 psi. Calc flush: 5246 gal. Actual flush: 4704 gal.

08-17 5000-5028

Frac LODC sands as follows:

151355# 20/40 sand in 1050 bbls Lightning 17 frac fluid. Treated @ avg press of 1647 psi w/avg rate of 24.8 BPM. ISIP 2100 psi. Calc flush: 4998 gal. Actual flush: 4494 gal.

08-17-07 4764-4774' Frac B.5 sands as follows:

19761# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated@avg press of 2232 psi w/avg rate of 24.8 BPM. ISIP 4148 psi. Calc flush: 4762 gal. Actual flush: 3839 gal.

08-17-07 4602-4611'

2/1/2010

4602-4611

4767-4774

5000-5028

Anchor @ 5201'

EOT @ 5331'

PBTD @ 6027' SHOE @ 6067'

TD @ 6075

5248-4254

Frac D2 sand as follows:

45991# 20/40 sand in 435 bbls Lightning 17 frac fluid. Treated @ avg press of 2094 w/ avg rate of 24.8 BPM. ISIP 1850 psi. Calc flush: 4600 gal. Actual flush: 4515 gal. Pump change. Updated rod and tubing detail.

Cement top @ 88

SN 5266'

#### PRODUCTION CASING

CSG SIZE: 5-1/2' GRADE: J-55 WEIGHT: 15.5#

LENGTH: 156 jts. (6053.98') DEPTH LANDED: 6067.23' KB

HOLE SIZE: 7-7/8

CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ

CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

CEMENT TOP AT: 88'

#### **TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 165 jts (5188.5')

TUBING ANCHOR: 5200.5' KB

NO. OF JOINTS: 2 jts (62.9')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5266.3' KB

NO. OF JOINTS: 2 jts (62.9')

TOTAL STRING LENGTH: EOT @ 5331.0' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM

SUCKER RODS: 1-6' x ¾" pony rod, 1-4' x ¾" pony rod, 100- ¾" guided rods, 82- ¾" sucker rods, 22- ¾" guided rods, 6-1 ⅓" weight bars

PUMP SIZE: 2-1/2" x 1-1/2" x 18' RHAC

STROKE LENGTH: 120" PUMP SPEED, SPM: 5 SPM

# PERFORATION RECORD 08-13-07 5248-5254' 4 JSPF

 08-17-07
 5000-5028'
 4 JSPF
 112 holes

 08-17-07
 4767-4774'
 4 JSPF
 28 holes

 08-17-07
 4602-4611'
 4 JSPF
 36 holes

24 holes

# NEWFIELD

### Federal 9-20-9-16

2011' FSL & 789' FEL

NE/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33068; Lease # UTU-74391

# Attachment E-4

## Federal 10-20-9-16

Spud Date: 7-25-07 Put on Production: 8-31-07

NW/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33108; Lease # UTU-74391

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

#### GL: 6105' KB: 6117' SURFACE CASING FRAC JOB 08-29-07 5736-5748' CSG SIZE: 8-5/8" Frac CP5 sands as follows: 45032# 20/40 sand in 460 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2371 psi w/avg rate of 24.7 BPM. ISIP 2395 psi. Calc WEIGHT: 24# Cement top @ 226' flush: 5971 gal. Actual flush: 5145 gal. LENGTH: 7 jts (303.36') 08-29-07 5002-5040' Frac LODC sands as follows: DEPTH LANDED: 315.21' KB 89993# 20/40 sand in 694 bbls Lightning 17 frac fluid. Treated @ avg press of 1981 psi w/avg rate of 24.7 BPM. ISIP 2506 psi. Calc HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf. flush: 5000 gal. Actual flush: 4507 gal. 08-29-07 4920-4936 Frac A1 sands as follows: 114939# 20/40 sand in 845 bbls Lightning 17 frac fluid. Treated @ avg press of 1896 psi w/avg rate of 24.7 BPM. ISIP 2218 psi. Calc flush: 4918 gal. Actual flush: 4410 gal. Frac B2 sand as follows: 80966# 20/40 sand in 672 bbls Lightning 17 08-29-07 4794-4814 PRODUCTION CASING CSG SIZE: 5-1/2" frac fluid. Treated @ avg press of 2005 w/ avg rate of 24.7 BPM. ISIP 2205 psi. Calc GRADE: I-55 flush: 4792 gal. Actual flush: 4704 gal. WEIGHT: 15 5# 05/28/08 Tbg leak. Updated tubing and rod detail LENGTH: 155 jts. (5927.26') DEPTH LANDED: 5943.51' KB 6/10/2010 Parted rods. Update rod and tubing details HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. CEMENT TOP AT: 226 **TUBING** 4794-4814 SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 181 jts (5693') 4920-4936 TUBING ANCHOR: 5693' KB NO. OF JOINTS: 1 jts (31.6') 5002-5013 SEATING NIPPLE: 2-7/8" (1.10') 5030-5040' SN LANDED AT: 5728 4' KB NO. OF JOINTS: 2 jts (63.0°) TOTAL STRING LENGTH: EOT @ 5792.90' KB Anchor @ 5693' PERFORATION RECORD SUCKER RODS SN 5728' **5736-5748** 08-24-07 5736-5748' 4 ISPF 48 holes 08-29-07 5030-5040' 4 JSPF 40 holes POLISHED ROD: 1-1/2" x 26' SM 08-29-07 5002-50131 4 ISPF 44 holes SUCKER RODS: 2-16' 1-4' 1-2' x 3/4" pony sub, 222-3/4: guided 08-29-07 4920-4936' 64 holes 4 JSPF rods(103new), 6-1 1/2:" weight bars 08-29-07 4794-4814' 4 JSPF 80 holes PUMP SIZE: 2-1/2" x 1-1/2" x 16'x 20 RHAC w/SM plunger STROKE LENGTH: 120" PUMP SPEED, SPM: 5 SPM EOT @ 5792' NEWFIELD PBTD @ 5903 SHOE @ 5940' Federal 10-20-9-16 TD @ 5950' 2041' FSL & 1892' FEL

# ATTACHMENT E-5

# Federal 11-20-9-16

Spud Date: 11/29/05 Put on Production: 11/17/06

> Duchesne Co, Utah API #43-013-32598; Lease #UTU-74391

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

#### K.B.: 6154, G.L.: 6142 SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" Cement Top@ 8 11/13/06 5256-5269 Frac LODC sands as follows: 78169# 20/40 sand in 622 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2527 psi w/avg rate of 25.4 BPM, ISIP 2720 psi. Calc WEIGHT: 24# flush: 5267 gal. Actual flush: 4746 gal. LENGTH: 7 jts. (262.90') 11/13/06 5135-5148 Frac LODC sands as follows: DEPTH LANDED: 323.15' KB 101332# 20/40 sand in 784 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.2 BPM. ISIP 1800 psi. Calc flush: 5146 gal. Actual flush: 4620 gal. Frac C, D3 sands as follows: CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf. 11/13/06 4612-4629' 184392# 20/40 sand in 1225 bbls Lightning17 frac fluid. Treated @ avg press of 1436 psi w/avg rate of 24.3BPM. 1640 psi. Calc flush: 4627 gal. Actual flush: 4494 gal. 11/27/06 Pump Change. Update rod and tubing details. PRODUCTION CASING Major Workover CSG SIZE: 5-1/2' Acidize D2 sands: Pump 16.6 bbls techni-hib 767, W/ 10.1 bbls 05/14//08 4612-46293 GRADE: J-55 acid, ISIP @ 950 psi. WEIGHT: 15.5# 05/14//08 4650-46681 Acidize D3 sands: LENGTH: 136 jts. (6010.04') Pump 16 bbls techni-hib 767, W/ 10.7 bbls DEPTH LANDED: 6023.29' KB acid, ISIP @ 675 psi. HOLE SIZE: 7-7/8" 1/9/09 Tubing Leak. Updated rod & tubing details. CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ 2/2/2010 Tubing leak. Updated rod and tubing details 11/20/2010 Tubing leak. Updated rod and tubing detail. **TUBING** SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 166 jts (5221.9') TUBING ANCHOR: 5233.9' KB NO. OF JOINTS: 1 jts (31.4') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5268.1' KB NO. OF JOINTS: 2 jts (63.1') TOTAL STRING LENGTH: EOT @ 5333' KB 4612-4629 PERFORATION RECORD SUCKER RODS 11/06/06 5256-5269' 4 JSPF 52 holes 4650-4668 11/13/06 5135-5148' 4 JSPF 52 holes POLISHED ROD: 1-1/2" x 26' SM 11/13/06 4726-4734 4 JSPF 32 holes SUCKER RODS: 2-4" x ¼" pony rods; 98- ½" guided rods: 68- ½" sucker rods; 37- ½" guided rods; 6-1 ½" weight bars 11/13/06 4650-46683 4 JSPF 72 holes 4726-4734 11/13/06 4612-4629 4 JSPF 68 holes PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16" RHAC w/SM plunger 5135-5148 STROKE LENGTH: 86' PUMP SPEED, SPM: 5 Anchor @ 5234' 5256-5269' SN 52683 EOT @ 5333' PBTD @ 5880' NEWFIELD SHOE @ 6023' Federal 11-20-9-16 2143' FSL & 2155' FWL NE/SW Section 20-T9S-R15E

TD @ 6050'

# ATTACHMENT E-6

# FEDERAL 16-20-9-16

Spud Date: 05/29/07 Put on Production: 08/21/07

Duchesne Co, Utah
API #43-013-33109: Lease # UTU-74391

GL: 6129' KB: 6141'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 08/13/07 5440-5453 Frac CP1 sands as follows: 29557# 20/40 sand in 412 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2090 psi w/avg rate of 24.5 BPM. ISIP 2215 psi. Calc flush: 5438 gal. Actual flush: 4956 gal. WEIGHT: 24# LENGTH: 7 jts. (295.42') Frac LODC sands as follows: 08/16/07 5027-5035 DEPTH LANDED: 306.32' KB 19063# 20/40 sand in 311 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 2091 psi w/avg rate of 24.8 BPM. ISIP 2350 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf. flush: 5025 gal. Actual flush: 4536 gal. 08/16/07 4771-4779' Frac B1 sands as follows: 46260# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 2079 psi w/avg rate of 24.8 BPM. ISIP 1940 psi. Calc Cement Top @ 343' flush: 4769 gal. Actual flush: 4326 gal. 08/16/07 4701-4709' Frac C sands as follows: PRODUCTION CASING 108507# 20/40 sand in 795 bbls Lightning 17 CSG SIZE: 5-1/2' frac fluid. Treated @ avg press of 2113 psi w/avg rate of 24.8 BPM. ISIP 1995 psi. Calc GRADE: J-55 flush: 4698 gal. Actual flush: 4200 gal. WEIGHT: 15.5# 08/16/07 4596-4604' Frac D2 sands as follows: LENGTH: 155 jts. (5977.37') 44879# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2001 psi w/avg rate of 24.8 BPM. ISIP 1840 psi. Calc flush: 4594 gal. Actual flush: 4536 gal. DEPTH LANDED: 5978.62' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 172 jts (5410.01') 4596-46043 TUBING ANCHOR: 5422.01' KB NO. OF JOINTS: 1 jts (31.47') SEATING NIPPLE: 2-7/8" (1.10') 4701-4709' SN LANDED AT: 5456.28' KB NO. OF JOINTS: 2 jts (63.01') 4771-4779 TOTAL STRING LENGTH: EOT @ 5520.84' KB 5027-5035 PERFORATION RECORD SUCKER RODS 08/07/07 5440-5453' 4 JSPF 52 holes 08/16/07 5027-5035' 4 JSPF Anchor @ 5422 32 holes POLISHED ROD: 1-1/2" x 26' SM polished rods 08/16/07 4771-4779' 4 JSPF 32 holes SUCKER RODS:1-2' & 1-8' x 7/8" pony rods, 100-3/4" scrapered rods, 08/16/07 4701-4709° 4 JSPF 32 holes 92-3/4" plain rods, 20-3/4"scrapered rods 08/16/07 4596-4604' 4 JSPF 32 holes 5440-5453" 6-1 1/2" weight rods PUMP SIZE: CDI 2-1/2" x 1-1/2" x 18' RHAC STROKE LENGTH: 102" SN 5456' PUMP SPEED, 5 SPM: EOT @ 5760' PBTD @ 5939' NEWFIELD SHOE @ 5979' FEDERAL 16-20-9-16 TD @ 60603 716'FSL & 920' FEL SE/SE Section 20-T9S-R16E

Attachment E-7

# Federal 13-21-9-16

Spud Date: 4-30-07 Put on Production: 7-30-07

811' FSL & 687' FWL
SW/SW Section 21-T9S-R16E
Duchesne Co, Utah
API #43-013-33142; Lease #UTU-74392

GL: 6105' KB: 6117'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

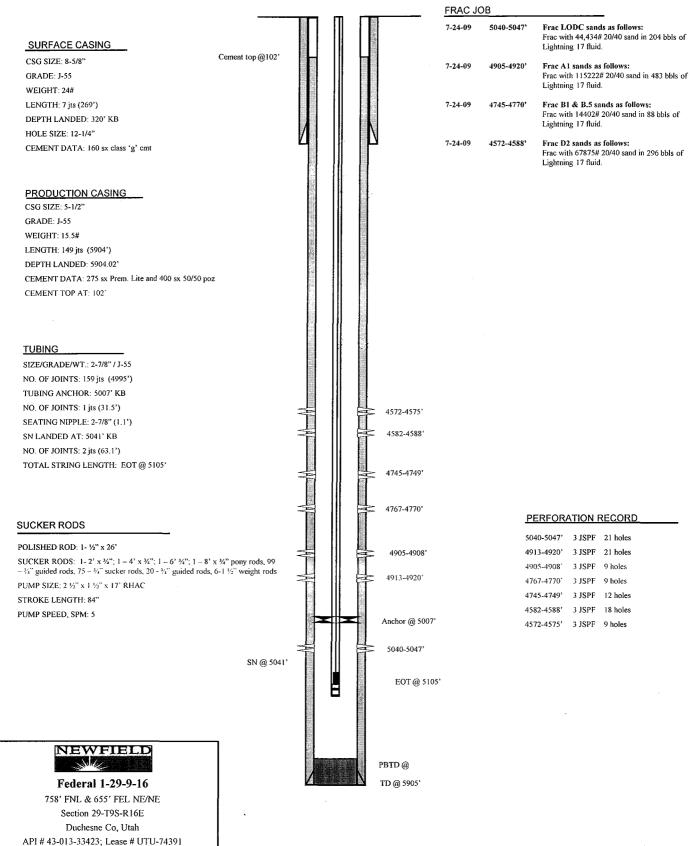
#### FRAC JOB 7-25-07 5938-5946 Frac BSC sands as follows: 14827# 20/40 sand in 293 bbls Lightning 17 frac fluid. Treated @ avg press of 1898 psi w/avg rate of 24.8 BPM. ISIP 1983 psi. Calc flush:5936 gal. Actual flush: 5418 gal. SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 7-25-07 5455-54643 Frac CP1 sands as follows: 152957# 20/40 sand in 275 bbls Lightning 17 WEIGHT: 24# frac fluid. Treated @ avg press of 2098 psi LENGTH:.7 jnts (312.15') w/avg rate of 24.7 BPM. ISIP 2085 psi. Calc flush: 5453 gal. Actual flush: 4914 gal. DEPTH LANDED: 324,01' KB 7-26-07 4826-4834 Frac B2 sands as follows: HOLE SIZE:12-1/4" 45217# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 2144 psi CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf. w/avg rate of 28.1 BPM. ISIP 2377 psi. Calc flush: 4824 gal. Actual flush: 4368 gal. 4706-4714' 7-26-07 Frac C sands as follows: 42292# 20/40 sand in 354 bbls Lightning 17 PRODUCTION CASING frac fluid. 24.8 BPM. ISIP 1463 psi. CSG SIZE: 5-1/2" 2-19-08 Pump Change. Updated rod & tubing details. GRADE: J-55 05/15/09 4597-4610 Frac D3 & D2 sands as follows: 124935# 20/40 sand in 1196 bbls Lightning WEIGHT: 15.5# 05/15/09 LENGTH: 137 jts. (6025.88') 17 frac fluid. 26 BPM. ISIP 1764 psi. 04/19/10 Tubing Leak. Rod & Tubing Updated. DEPTH LANDED: 6039.13' KB 03/24/11 Tubing Leak. Rod & tubing details updated. HOLE SIZE: 7-7/8' 12/22/11 Tubing Leak: Rod & tubing details updated. CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ CEMENT TOP: surface. 4597-4610 **TUBING** 4634-46383 SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 168 jts. (5313.5') 4640-4647 NO. OF JOINTS: 9 jts. (280.8') TUBING ANCHOR: 5606 NO. OF JOINTS: 1jts (31.40') 4651-4656 SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5641.3 4662-4674" NO. OF JOINTS: 1 jts (31.40') GAS ANCHOR: (5673.') 4706-4714 NO. OF JOINTS: 6 jts. (188.5') TOTAL STRING LENGTH: EOT @ 5868' 4826-48343 PERFORATION RECORD 7-18-07 5938-5946' 4 JSPF 32 holes 5455-5464 7-25-07 5455-5464' 4 JSPF 36 holes 7-25-07 4826-4834' 4 JSPF 32 holes SUCKER RODS 7-26-07 4706-4714' 4 JSPF 32 holes Anchor @ 5606' 5-16-09 4662-4674' 4 JSPF 48 holes POLISHED ROD: 1-1/2" x 26' SM 5-16-09 4651-4656' 4 JSPF 20 holes SUCKER RODS: 1-4', x 3/4" Pony rods, 99-3/4" Guided rods, 53-3/4' Sucker 5-16-09 4640-4647 4 JSPF 28 holes 5938-59463 5-16-09 4634-4638' rods, 66-3/4' 4 PER Guided rods, 6-1 1/2' Sinker bars. 4 ISPF 16 holes 5-16-09 4597-4610' 4 ISPF 52 holes PUMP SIZE: 2-1/2" x 1-1/2" x 16'x 20' RHAC CDI pump STROKE LENGTH: 120" PUMP SPEED, 4 SPM EOT @ 5870° PBTD @ 5993' **NEWFIELD** July TD @ 6040' Federal 13-21-9-16

#### Federal 1-29-9-16

Spud Date: 4/20/2009 Put on Production: 7/24/2009

GL: 6171' KB: 6183'

Wellbore Diagram



#### Federal 2-29-9-16

Spud Date: 4/28/2009 Put on Production: 7/312/009

GL: 6198' KB: 6210'

#### Wellbore Diagram

#### FRAC JOB SURFACE CASING 8-2-09 5422-5443 Frac CP1 sands as follows: Frac with CSG SIZE: 8-5/8" Cement top @ 140 19,772# 20/40 sand in 167 bbls of Lightning GRADE: I-SS WEIGHT: 24# 5015-5030\* Frac LODC sands as follows: Frac with LENGTH: 7 jts (271.62') 40,496# 20/40 sand in 262 bbls of Lightning 17 fluid DEPTH LANDED: 323.45' KB HOLE SIZE: 12-1/4" 4923-4938 Frac A1 sands as follows: Frac with 75,830# 8-2-09 20/40 sand in 461 bbls of Lightning 17 fluid. CEMENT DATA: 160 sx class 'G' cmt 8-2-09 4796-4803 Frac B2 sands as follows: Frac with 30,004# 20/40 sand in 246 bbls of Lightning 17 fluid. 4588-4626 Frac D2/D3 sands as follows: Frac with 8-2-09 87,549# 20/40 sand in 636 bbls of Lightning 1-27-10 Tubing Leak. Updated rod and tubing detail. PRODUCTION CASING CSG SIZE: 5-1/2" Tubing Leak. Updated rod and tubing detail. 3/18/2010 GRADE: J-55 WEIGHT: 15.5# LENGTH: 151 its (5873 42') DEPTH I ANDED: 5925 97' HOLE SIZE: 7-7/8" CEMENT DATA: 275 sx Prem Lite II and 400 sx 50/50 poz CEMENT TOP AT: 140' 4588-4594 **TUBING** 4623-4626 SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 171 jts (5374.2') TUBING ANCHOR: 5384.2' KB 4796-4803 NO. OF JOINTS: 2 jts (63.1') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 5450.1' KB NO. OF JOINTS: 2 jts (60.8') TOTAL STRING LENGTH: EOT @ 5512' 4923-4927 4934-4938 PERFORATION RECORD 5015-5018' SUCKER RODS 5439-5443' 3 JSPF 12 holes 5021-5023 POLISHED ROD: 1 1/2' x 26 5427-5429' 3 JSPF 6 holes 5026-5030 SUCKER RODS: 1 - 2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 1-6' x 3/4" pony 5422-5424' 3 JSPF 6 holes rod, 99 - 3/4" guided rods (4per), 65 - 3/4" sucker rods, 47 - 3/4" guided rods 5026-5030 3 JSPF 12 holes (4per), 6 - 1 1/2" weight bars 5021-5023 3 JSPF PUMP SIZE: 2 1/2 x 1 1/2 x 16' x 20' 5015-5018' 3 ISPF 9 holes 4934-4938' 3 JSPF 12 holes STROKE LENGTH: 74 4923-4927 3 JSPF 12 holes Anchor @ 5384' PUMP SPEED, SPM: 5 4796-4803 3 JSPF 21 holes 5422-5424' 4623-4626' 3 JSPF 9 holes 5427-5429 4588-4594' 3 JSPF 18 holes 5439-5443 SN @ 54503 EOT @ 5512' NEWFIELD PBTD @ 5886'

TD @ 5935'

693' FNL & 2146' FEL NW/NE Section 29-T9S-R16E

Duchesne Co, Utah

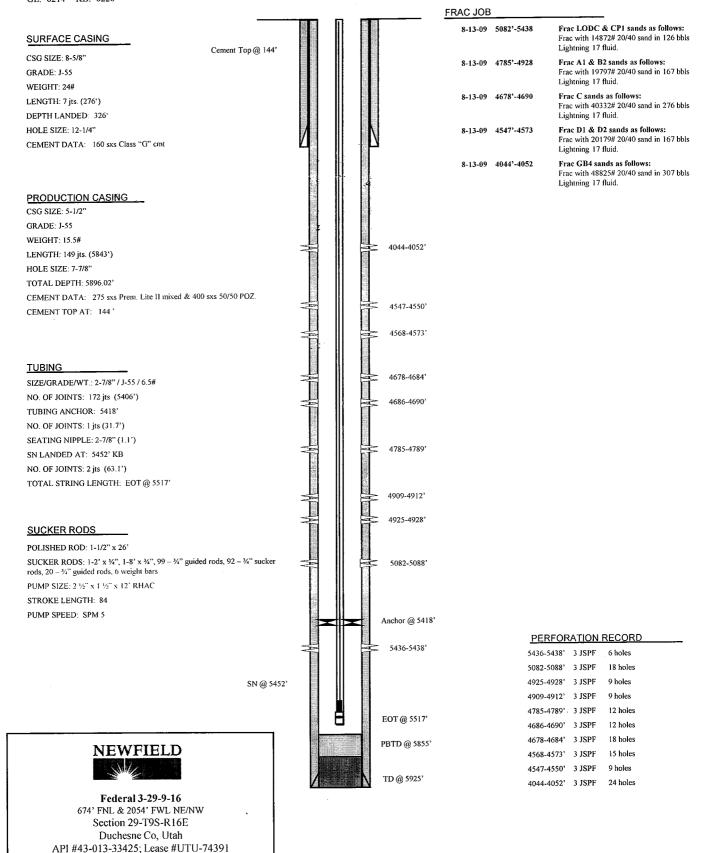
Federal 2-29-9-16

API # 43-013-33424; Lease # UTU-74391

#### Federal 3-29-9-16

Spud Date: 5/20/09 Put on Production: 8/12/09 GL: 6214' KB: 6226'

Wellbore Diagram



#### Federal 4-29-9-16

Spud Date: 8-11-10 Wellbore Diagram Put on Production: 9-24-10 FRAC JOB GL:6213 ' KB:6225 ' 9-8-10 6009-6017 Frac BsLSD sands as follows:Frac with 23721# 20/40 sand in 208 bbls lightning SURFACE CASING Cement Top @132' 17 fluid. 9-17-10 5671-5810 Frac CP2 & CP3 sands as follows:Frac CSG SIZE: 8-5/8" with 8728# 20/40 sand in 82 bbls GRADE: J-55 Lightning 17 fluid. WEIGHT: 24# 9-17-10 5202-5262 Frac LODC sands as follows:Frac with 64809# 20/40 sand in 397 bbls LENGTH: 8 its. (339.28) Lightning 17 fluid. DEPTH LANDED: 352.13° 9-17-10 5060-5084' Frac A1 sands as follows: Frac with 45961# 20/40 sand in 300bbls HOLE SIZE: 12-1/4" Lightning 17 fluid. CEMENT DATA: 170 sxs Class "G" cmt 9-17-10 4833-4943' Frac C & B2 sands as follows:Frac with 29382# 20/40 sand in 200bbls Lightning 17 fluid. 9-17-10 4736-4745 Frac D2 sands as follows:Frac with PRODUCTION CASING 33962# 20/40 sand in 267 bbls Lightning 17 fluid. CSG SIZE: 5-1/2" 4736-4745 03/10/11 Pump change. Rods & tubing updated. GRADE: J-55 WEIGHT: 15.5# 4833-4837 LENGTH: 146its. (6160,56') HOLE SIZE: 7-7/8" TOTAL DEPTH: 6176.563 4940-4943 CEMENT DATA: 251 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. CEMENT TOP AT: 132' 5060-5062 5074-5084 **TUBING** SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 190 jts (5965.4') 5202-5204 TUBING ANCHOR: 5978.3 PERFORATION RECORD NO. OF JOINTS: 1 jts (31.5') 5220-5224 SEATING NIPPLE: 2-7/8" (1.1') 6009-6017' 3 JSPF 24 holes SN LANDED AT: 6012,6' KB 5243-5245 5807-5810' 3 JSPF 9 holes NO. OF JOINTS: 1 jts (31.4') 5671-5674' 3 JSPF 9holes TOTAL STRING LENGTH: EOT @ 6046 ' 5253-5255 5260-5262' 3 JSPF 6 holes 5253-5255' 3 JSPF 6 holes 5260-5262' 5243-5245' 3 JSPF 6 holes 5220-5224' 3 JSPF 12 holes SUCKER RODS 5202-5204' 3 JSPF 6 holes POLISHED ROD: 1-1/2" x 30" 5074-5084' 3 JSPF 30 holes SUCKER RODS: 1 -2' x 7/8 pony rods, 1 - 6' x 7/8" pony rods, 234 - 7/8" 8 per guided rods, 4- 1  $^{\prime}$ 2" sinker bars 5060-5062' 3 JSPF 5671-5674' 6 holes 4940-4943' 3 JSPF 9 holes 4833-4837' 3 JSPF 12 holes PUMP SIZE: 2 1/2 x 1 1/2" x 21'x 24' RHAC 5807-5810 4736-4745' 3 JSPF 27 holes STROKE LENGTH:144 PUMP SPEED: SPM 5 Anchor @ 5978' 6009-6017 EOT @6046 ' PBTD @ 6130' **NEWFIELD** 

TD @ 6203'

Federal 4-29-9-16
655'FNL & 2045'FWL (NE/NW)
Section 29, T9S, R16
Duchesne Co, Utah
API # 43-013-33469; Lease # UTU-74391

ATTACHMENT F

5



105

Water Analysis Report

**Production Company:** 

1553 East Highway 40

Vernal, UT 84078

NEWFIELD PRODUCTION

Well Name: Sample Point: FEDERAL 15-20-9-16

Sample Date: Sample ID: Treater 12/14/2011 WA-204722 Sales Rep: Darren Betts
Lab Tech: Gary Peterson

Scaling potential predicted using ScaleSoftPitzer from

Brine Chemistry Consortium (Rice University)

Sample Speci	fics		Analysis @ Prop	perties in Sample Specifics	
Test Date:	12/14/2011	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	300.00	Sodium (Na):	10620.59	Chloride (CI):	13400.00
System Pressure 1 (psig):	3000.00	Potassium (K):	0.00	Sulfate (SO <sub>4</sub> ):	576.00
System Temperature 2 (°F):	70.00	Magnesium (Mg):	3.90	Bicarbonate (HCO3):	4440.80
System Pressure 2 (psig):	14.70	Calcium (Ca):	6.94	Carbonate (CO <sub>3</sub> ):	0.00
Calculated Density (g/ml):	1.02	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
pH:	9.50	Barium (Ba):	1.00	Propionic Acid (C2H5COO)	0.00
Calculated TDS (mg/L):	29051.63	Iron (Fe):	2.30	Butanoic Acid (C3H7COO)	0.00
CO2 in Gas (%):	0.00	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
Dissolved CO2 (mg/L)):	0.00	Lead (Pb):	0.00	Fluoride (F):	0.00
H <sub>2</sub> S in Gas (%):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Water (mg/L):	35.00	Manganese (Mn):	0.09	Silica (SiO2):	0.00

Notes:

P= 4.98mg/l

(PTB = Pounds per Thousand Barrels)

			cium oonate	Bariun	n Sulfate		ron Ilfide		ron oonate		psum 94·2H2O		estite SO4		alite laCl		linc Ilfide
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	PTB	SI	РТВ	SI	PTB	SI	РТВ
70	14	1.56	5.91	1.02	0.54	4.94	1.27	2.72	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	1.58	5.91	0.78	0.50	4.71	1.27	2.83	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	1.61	5.93	0.59	0.44	4.54	1.27	2.94	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	1.66	5.94	0.44	0.38	4.43	1.27	3.02	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	1.71	5.95	0.33	0.32	4.35	1.27	3.10	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	1.77	5.97	0.24	0.26	4.32	1.27	3.16	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.83	5.99	0.19	0.21	4.31	1.27	3.21	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.90	6.00	0.15	0.17	4.31	1.27	3.24	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.98	6.01	0.13	0.15	4.33	1.27	3.26	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	2.06	6.02	0.12	0.15	4.36	1.27	3.27	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		CaSO	hydrate 4~0.5H2 O		ydrate ISO4		cium oride		inc oonate		ead Ilfide		Mg icate		a Mg icate		-e icate
Temp (°F)	PSI	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

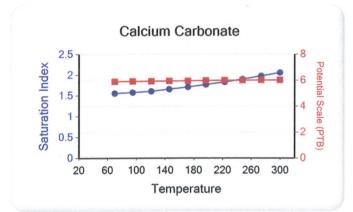
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate

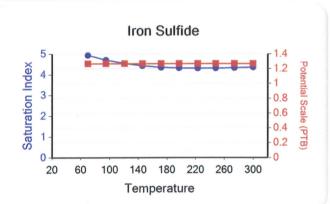
Ethics

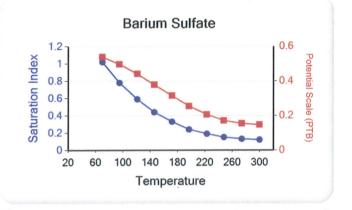
ATTACHMENT F

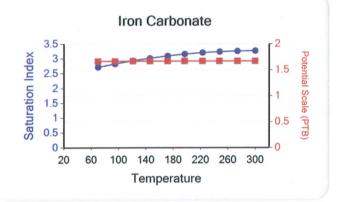
1553 East Highway 40 Vernal, UT 84078

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate









Ethics

1553 East Highway 40 Vernal, UT 84078

## ATTACHMENT F

multi-chem

Water Analysis Report

Production Company: NEWFIELD PRODUCTION

Well Name: SWDIF
Sample Point: Comingled
Sample Date: 1/16/2012
Sample ID: WA-205549

Sales Rep: Darren Betts
Lab Tech: John Keel

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Speci	fics		Analysis @ Prop	perties in Sample Specifics	是我是特殊的
Test Date:	1/16/2012	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	300.00	Sodium (Na):	3090.28	Chloride (CI):	4200.00
System Pressure 1 (psig):	1300.00	Potassium (K):	12.90	Sulfate (SO <sub>4</sub> ):	67.00
System Temperature 2 (°F):	70.00	Magnesium (Mg):	7.00	Bicarbonate (HCO3):	1024.80
System Pressure 2 (psig):	14.70	Calcium (Ca):	22.40	Carbonate (CO3):	0.00
Calculated Density (g/ml):	1.00	Strontium (Sr):		Acetic Acid (CH3COO)	0.00
рН:	6.40	Barium (Ba):	9.20	Propionic Acid (C2H5COO)	0.00
Calculated TDS (mg/L):	8436.08	Iron (Fe):	1.70	Butanoic Acid (C3H7COO)	0.00
CO2 in Gas (%):	0.00	Zinc (Zn):	0.40	Isobutyric Acid ((CH3)2CHCOO)	0.00
Dissolved CO <sub>2</sub> (mg/L)):	99.00	Lead (Pb):	0.30	Fluoride (F):	
H <sub>2</sub> S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	30.00	Manganese (Mn):	0.10	Silica (SiO2):	

Notes:

P=.6

(PTB = Pounds per Thousand Barrels)

			cium oonate	Bariun	n Sulfate		ron Ilfide		ron oonate	STATE OF THE PARTY	psum 04·2H2O		estite SO4		alite aCl		linc Ilfide
Temp (°F)	PSI	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	PTB	SI	РТВ	SI	РТВ
70	14	0.00	0.00	1.61	5.33	1.38	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.04	0.21
95	157	0.00	0.00	1.38	5.23	1.22	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.58	0.21
121	300	0.00	0.00	1.20	5.10	1.23	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.30	0.21
146	443	0.00	0.00	1.07	4.97	1.29	0.89	0.12	0.30	0.00	0.00	0.00	0.00	0.00	0.00	8.08	0.21
172	585	0.00	0.00	0.98	4.85	1.39	0.90	0.32	0.64	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.21
197	728	0.00	0.00	0.92	4.76	1.52	0.91	0.51	0.85	0.00	0.00	0.00	0.00	0.00	0.00	7.80	0.21
223	871	0.00	0.00	0.89	4.70	1.68	0.92	0.70	0.99	0.00	0.00	0.00	0.00	0.00	0.00	7.71	0.21
248	1014	0.00	0.00	0.88	4.69	1.87	0.93	0.89	1.08	0.00	0.00	0.00	0.00	0.00	0.00	7.65	0.21
274	1157	0.22	6.88	0.88	4.70	2.07	0.93	1.07	1.13	0.00	0.00	0.00	0.00	0.00	0.00	7.63	0.21
300	1300	0.46	11.97	0.91	4.74	2.30	0.93	1.25	1.17	0.00	0.00	0.00	0.00	0.00	0.00	7.62	0.21

			hydrate 4~0.5H2 O		ydrate SO4		lcium oride		Zinc conate	Section and Section 1	ead ulfide		/Ig icate		a Mg icate		Fe icate
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	РТВ	SI	PTB	SI	РТВ	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.32	0.12	0.00	0.00	0.00	0.00	0.00	0.00
95	157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.53	0.12	0.00	0.00	0.00	0.00	0.00	0.00
121	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.97	0.12	0.00	0.00	0.00	0.00	0.00	0.00
146	443	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.12	0.00	0.00	0.00	0.00	0.00	0.00
172	585	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.13	0.12	0.00	0.00	0.00	0.00	0.00	0.00
197	728	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.82	0.12	0.00	0.00	0.00	0.00	0.00	0.00
223	871	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.09	8.56	0.12	0.00	0.00	0.00	0.00	0.00	0.00
248	1014	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.17	8.36	0.12	0.00	0.00	0.00	0.00	0.00	0.00
274	1157	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.21	8.19	0.12	0.00	0.00	0.00	0.00	0.00	0.00
300	1300	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.23	8.07	0.12	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Barium Sulfate Iron Sulfide Zinc Sulfide Lead Sulfide

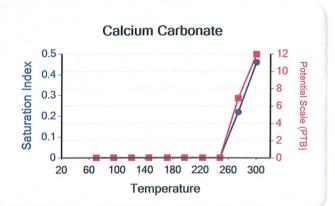
1553 East Highway 40

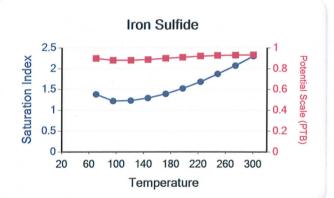
Vernal, UT 84078

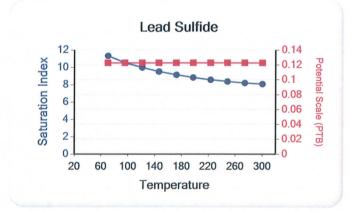
## ATTACHMENT F

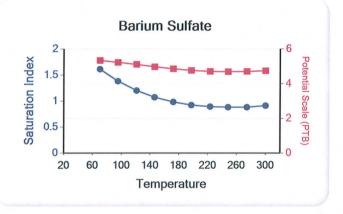
multi-chem

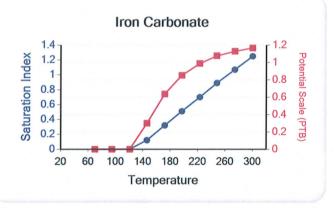
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

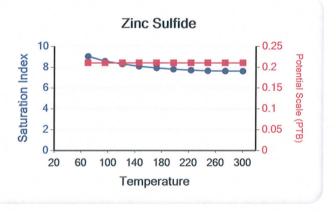


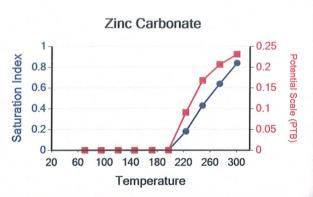












Ethics

**Multi-Chem Analytical Laboratory** 1553 East Highway 40 Vernal, UT 84078

ATTACHMENT F multi-chem 5 of 5

A HALLIBURTON SERVICE

**Ethics** 

#### Attachment "G"

## Federal #15-20-9-16 Proposed Maximum Injection Pressure

	Interval eet)	Avg. Depth	ISIP	Calculated Frac Gradient	
Top	<b>Bottom</b>	(feet)	(psi)	(psi/ft)	Pmax
5823	5831	5827	2815	0.92	2777
5446	5456	5451	2290	0.85	2255
5224	5229	5227	2870	0.98	2836
5088	5098	5093	2430	0.91	2397
4888	4929	4909	2255	0.89	2223
				Minimum	2223

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433\*1.015)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433\*Top Perf.))/Top Perf.

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## NEWFIELD ATTACHMENT G-

10f9

#### DAILY COMPLETION REPORT

WELL N	NAME:	Fed	deral 15-20	)-9-16	Re	port Date:	3-	Aug-07			Day:	1
Ope	ration:	Com	pletion		•			Rig:	Rig	less		,
			****	W	ELL ST	TATUS_						
Surf Csg: Tbg:	8 5/8' Size:	@32	23' Wt:	Prod Grd:	-	5 1/2" Pkr/E	@ От @: ៉ੁ	6031'	Csg BP/Sand	PBTD: PBTD:		'WL
				PERF	ORATIO	N RECOR	<u>D</u>					
<u>Zone</u>	_	<u>Perfs</u>		SPF/#shots		<u>Zo</u> BS so	<u>ne</u> ds	5823-	<u>Perfs</u> 5831'		SPF/# 4/32	shots
			·······			***************************************		***************************************	····	-		
					•					-		
									·	-		
Date Worl		_	2-Aug	CHRONOL	.OGICA	L OPERAT	IONS	0				)
_		to be recov	ered:	<u>FLUID</u> 142	Starting	ERY (BBL	date:					<del> </del>
Fluid <u>lost</u> /r Ending flui		α τοαay: recovered:		2		recovered			······································	**		
		FFL:						Fluid Rate:		Final o	oil cut:	
		STIM	ULATION	DETAIL					COST	<u>s</u>		
Base Fluid	used: _		Jo	b Type:			<u>-</u>		erford BOP	-		\$450
Company:							-		C NU crew		·	\$300
Procedure	or Equi	oment deta	il:				alan		SI trucking			\$800
***************************************	······································								rators LLC	-		5,542
100000000000000000000000000000000000000	~				······································		~		Orilling cost	-		9,259
***************************************		······································							oiate hot oil	-	/ · · · · · · · · · · · · · · · · · · ·	\$420
		······································	······································	······································	······································				oreparation	-		\$300
***************************************					······································	*//************************************			C wellhead	-		1,500
									Overbood	-		1,200
					<u></u>				Overhead	-		3,000 #200
——— May TD	•	Max Rate:		Total fluid p	mnd:	,		NPC	Supervisor	-		\$300
Avg TP		Avg Rate:		Total Prop p						-		
ISIP		5 min:		oui 10 min:		min:		DAILY C	OST:	<b>-</b>	\$29	3,071
Comple	otion S	ınanıisarı		. Parnov	•			TOTAL WE	II COST		\$20	3 071



2089

#### DAILY COMPLETION REPORT

WELL NAME:			Federal 15-2	20-9-16	Re	eport Date:	9-	Aug-07	,		Day:	2a
	ration:		Completion					Rig:	Rig	less		
				1	WELL S	TATUS			·····			
Surf Csg:	8 5/8'	@	323'		od Csg:		@	6031'	Csg I	PBTD:	5948	'WL
Tbg:	Size:		Wt:	Grd:			от @: _		BP/Sand I	PBTD:		
				PERF	ORATIO	N RECORI	D					
Zone			<u>Perfs</u>	SPF/#shot		Zo			<u>Perfs</u>		SPF/#	shots
				***************************************	<del>-</del>	BS so	ls	5823	-5831'		4/32	
						Water Commission Commi				•		
				·····				***************************************				
	men m	······································								•		
				CHRONO	LOGICA	L OPERAT	IONS	<del></del>				
Date Wor	k Perfo	rmed:	8- <b>A</b> u	g-07				SITP:		SICP:	280	psi
@ ave rate 481 BWTF	e of 24.8 R. See	8 BPN Day 2	gals of fresh value of the first second of the free of	4 gals of 15%	HCL in	flush for Sta /ERY (BBLs	age #2	. ISIP 281	o w/ ave pr	e pres	sure o	n well
Fluid lost/r	ecovere	d tod	ay: 3	39		/recovered t			·····	•		
Ending flu				31 TP:		I recovered:		Fluid Rate:		Final d	oil cut:	
IFL:					CHOKE.					- 		
			STIMULATION		Cand	funn		DIG	<u>COST</u> Services-BS	_	<b>\$1</b> 9	3,971
Base Fluid Company:	-		rvices	ob Type:	Sand	Irac			r & trucking	•		\$680
Procedure				RS	sands		-		NPC fuel gas	-		\$107
***************************************			ad of 4% Techi	······································	Sarido				d tools/serv	•		1,250
			spacer						PC trucking	•		\$300
***************************************	gals o		i opasoi				,		supervision			\$60
			ppg of 20/40 s	and					<u> </u>	•	****	<del></del>
			.5 ppg of 20/40		***************************************					•		
***************************************			s of 15% HCL					•••••		~	***************************************	
			als of slick water		****					•		
			lenderinclude		p/line vol	ume**				•		
			Rate: 24.9 BP			339 bbls	,					
Avg TP	: 2516	Avg i	Rate: 24.8 BP	M Total Prop	pmpd: _					-		
	: <u>2815</u>		min:	10 min:	· ·	FG: <u>.92</u>		DAILY C				1,368
Compl	etion S	uperv	isor: Orse	on Barney				TOTAL W	ELL COST:		\$314	4,439



## NEWFIELD ATTACHMENT G-1

3059

			DAILY	COMPLE	TION REF	PORT				<b>(</b> ,	ţ
WELL N	AME:	Federal 1	5-20-9-16	Re	eport Date:	9-/	Aug-07			Day:	2b
Ope	ration:	Completio	n				Rig:	Rig	less		
				WELL S	TATUS		<del></del>				
Surf Csg:	8 5/8'	@ 323'		Prod Csg:	5 1/2"	. @ _	6031'	Csg F	BTD:	5948'	WL
Tbg:	Size: _	Wt:	G	rd:	Pkr/E	от @: _		BP/Sand F	PBTD:	556	<u>'0'</u>
			PF	REORATIC	N RECOR	ח					
Zone		Perfs	SPF/#sl			one		<u>Perfs</u>		SPF/#s	hots
	m		200200000000000000000000000000000000000		BS so	ds	5823-	5831'		4/32	
	or		***************************************		***************************************			41-41-41-41-41-41-41-41-41-41-41-41-41-4	• .		
	~			······	***************************************					······································	***************************************
CP1 sds		5446-5456'	4/40		************************			······································			
			CHRO	VOLOGICA	L OPERAT	IONS					
Date Work	Perfo	med: 8-	Aug-07				SITP:		SICP:	1930	psi
Day 2b. RU Lone	Wolf W	/LT, crane & lubr	icator. RIH w	/ Weatherfo	ord 5-1/2" 5h	Comp	osite flow th	nrough frac	plug 8	. 10' p∈	erf
gun. Set p	lug @ 5	5560'. Perforate si on well. Frac C	CP1 sds @ 54	146-56' w/ 3	3-1/8" Slick	Guns w	/ 4 spf for t	otal of 40 sl	nots. I	RU BJ	2217
psi. Pumpe	1930 ps ed 780	gals of fresh wtr	mixed with 30	gals of Tec	:0/40 Sand i :hni-Hib 767	7W. Tre	eated w/ av	e pressure	of 218	1 psi @	າວ ເ / ໓. av∈
rate of 24.8	BPM.	Pumped 504 gal									
BWTR. Se	e Day :	2c.									
					ERY (BBL			<del> </del>		•	
Starting flui Fluid lost/re		to be recovered:	481 339	-	g oil rec to d /recovered t						
· · · · · · · · · · · · · · · · · · ·		recovered:	820		I recovered:			***************************************			
IFL:		FFL:	FTP:	Choke: _		Final	Fluid Rate:		Final c	oil cut:_	
		STIMULAT	ION DETAIL					COSTS	<u> </u>		
Base Fluid	used: _	Lightning 17	Job Type:	Sand	frac		BJ Se	rvices-CP1		\$5	,803
Company:	B	J Services					CD wti	& trucking			\$680
Procedure of	or Equip	oment detail:	<u>C</u>	P1 sands		. 2004	N	IPC fuel gas		9	\$107
780 g	als of p	ore-pad of 4% Te	chni-Hib 767V	V			Veatherford	tools/serv		\$2	,450
946 g	als of f	lush spacer					Lon	e Wolf WL		\$4	,170
2000	gals of	pad					NPC s	supervision			\$60
<u>1511</u>	gals W	// 1-4 ppg of 20/4	0 sand								
<u>3571</u>	gals W	// 4-6.5 ppg of 20	/40 sand								
<u>Flush</u>	W/ 50	4 gals of 15% HC	L acid								^
Flush	W/ 49	14 gals of slick w	ater								
**Flus	h calle	d @ blenderincl	udes 2 bbls pu	mp/line vol	ume**	. <u>-</u>			•		
Max TP:	2646	Max Rate: 24.9	BPM_Total flu	id pmpd: _	339 bbls						
		Avg Rate: 24.8		op pmpd: _							<u> </u>
	2290	5 min:	10 min:	2000000 <del>0000000</del>	FG: <u>.85</u>	, _	DAILY C				,270
Comple	tion Si	mervisor. O	reon Rarney			•	TOTAL WE	IL COST		\$327	709



DAILY COMPLETION REPORT Federal 15-20-9-16 Day: 2c **WELL NAME:** Report Date: 9-Aug-07 Operation: Completion Ria: Rigless **WELL STATUS** 6031' Csq PBTD: 5948' WL Surf Csa: 8 5/8' Prod Csq: 5 1/2" BP/Sand PBTD: Pkr/EOT @: Tba: BP: 5560' PERFORATION RECORD SPF/#shots Zone Perfs SPF/#shots Perfs 5823-5831' B\$ sds 4/32 LODC 5224-5229' 4/20 CP1 sds 5446-5456' 4/40 **CHRONOLOGICAL OPERATIONS** SITP: SICP: 1462 psi **Date Work Performed:** 8-Aug-07 Day 2c. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 5' perf gun Set plug @ 5320'. Perforate LODC sds @ 5224-29' w/ 3-1/8" Slick Guns w/ 4 spf for total of 20 shots. RU BJ Services 1462 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ Services. 1143 psi on well. Frac LODC sds w/ 15,479#'s of 20/40 sand in 292 bbls of Lightning 17 fluid. Broke @ 3538 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w ave pressure of 2849 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2870 psi. Leave pressure on well. 1112 BWTR. See Day 2d. FLUID RECOVERY (BBLS) 820 Starting fluid load to be recovered: Starting oil rec to date: Fluid lost/recovered today: 292 Oil lost/recovered today: 1112 Ending fluid to be recovered: Cum oil recovered: FTP: Choke: Final oil cut: FFL: Final Fluid Rate: STIMULATION DETAIL COSTS Base Fluid used: Lightning 17 Sand frac BJ Services-LODC \$4,742 Job Type: Company: BJ Services CD wtr & trucking \$520 Procedure or Equipment detail: LODC sands \$82 NPC fuel gas 780 gals of pre-pad of 4% Techni-Hib 767W Weatherford tools/serv \$2,450 984 gals of flush spacer Lone Wolf WL \$2,085 NPC supervision 1500 gals of pad \$60 1149 gals W/ 1-4 ppg of 20/40 sand 2634 gals W/ 4-6.5 ppg of 20/40 sand Flush W/ 504 gals of 15% HCL acid Flush W/ 4717 gals of slick water \*\*Flush called @ blender--includes 2 bbls pump/line volume\*\* Max TP: 3184 Max Rate: 24.8 BPM Total fluid pmpd: 292 bbls Avg TP: 2849 Avg Rate: 24.8 BPM Total Prop pmpd: 15,479#'s

10 min:

5 min: Completion Supervisor: Orson Barney FG: .98

DAILY COST:

TOTAL WELL COST:

\$9,939

\$337,648

ISIP: 2870



#### DAILY COMPLETION REPORT

5 of 9

WELL N	IAME:	Federal '	15-20-9-16	Re	port Date:	9-	Aug-07			Day:	2d
Ope	ration	Completio	n				Rig: _	Rig	less		
		<del></del>		WELL ST	<u> </u>						
Surf Csg:	8 5/8			Prod Csg:		. @ .	6031'	_	PBTD:		
Tbg:	Size:	Wt:	G	rd:	Pkr/E0	OT @: ˌ		BP/Sand		517	70'
			ÞE	RFORATIO	N RECORI	n	-	BP:	5320',	5560'	
Zone		Perfs	SPF/#sh		Zo			<u>Perfs</u>		SPF/#	shots
	ntern.	<del></del>			BS so	ls	5823-		-	4/32	
1000	****										
LODC	•••	5088-5098' 5224-5229'	4/40 4/20	······································	***************************************	**************************************	<u></u>	***************************************		······································	
CP1 sds		5446-5456'	4/40					***************************************	•••		<del></del>
	-		CHRON	NOLOGICA	L OPERAT	IONS			-		
Date Work	Perfo	rmed: 8	-Aug-07				SITP:		SICP:	2470	psi
Services. 3137 psi. @ ave rate 1509 BWT	2470 p Pumpe e of 24. R. See id load	to be recovered:	ODC sds w/ 2 sh wtr mixed wi 504 gals of 15	9,995#'s of ith 30 gals of % HCL in fl IID RECOV Starting Oil lost/	20/40 sand of Techni-Hi lush for Sta	in 397 ib 767 ge #5. <u>S)</u> ate: oday:	7 bbls of Ligh W. Treated ISIP 2430 p	ntning 17 fl w/ ave pre osi. Leave	uid. B ssure o press	roke @ of 2440	D O psi
IFL:		***************************************	FTP:	Choke:	recovered.	_	Fluid Rate:		Final c	il cut:	
			ION DETAIL			-		COST	<u>-</u> S	-	
Base Fluid	used:	Lightning 17	Job Type:	Sand <sup>-</sup>	frac		BJ Servi	ces-LODC	_	\$7	7,982
Company:	•	3J Services	. ,,	· · · · · · · · · · · · · · · · · · ·		***		& trucking			1,040
Procedure	or Equi	pment detail:	<u>LO</u>	DC sands		-	N	PC fuel gas		(	\$163
780 g	gals of	pre-pad of 4% Te	chni-Hib 767W	/		Ī	Weatherford	tools/serv		\$2	2,450
883 (	als of	flush spacer					Lone	e Wolf WL			1,170
3000	gals o	f pad				-	NPC s	upervision		•	\$60
Company of the Compan	·····	V/ 1-4 ppg of 20/4	0 sand			***					
***************************************		V/ 4-6.5 ppg of 20	·,····			•					
***************************************	***************************************	04 gals of 15% H0	***************************************	·····		•••		Vertrerrerrerrerrerrerrerrerrerrerrerrerr	• •		
***************************************		578 gals of slick w				•	<u> </u>				
<del></del>		ed @ blenderincl		mn/line volu	ıme**	-				·	
***************************************		Max Rate: 24.9			397 bbls	-					
		Avg Rate: 24.8			29,995#'s	-					
ISIP:	2430	5 min:	10 min:		FG: <u>.91</u>		DAILY CO	)ST:		\$15	,865
Comple	tion S	upervisor: C	rson Barney				TOTAL WE	LL COST:		\$353	3,513



6 of 9

Day: \_2e

#### DAILY COMPLETION REPORT

Federal 15-20-9-16

**WELL NAME:** 

Report Date: 9-Aug-07

Оре	eration:	Completio	n				Rig:	Rig	less	
				WELL S	TATUS					
Surf Csg:	8 5/8'	<u>323'</u>	P	rod Csg: _	5 1/2"	@ _	6031'	Csg I	PBTD:	5948' WL
Tbg:	Size:	Wt:	Gr	d:	Pkr/E	ОТ @: _		BP/Sand I		5030'
			DEI	DEODATIO	N DECOD	D		BP: 517	0', 532	0', 5560'
<u>Zone</u>		<u>Perfs</u>	SPF/#sh		N RECOR	ne ⊡		<u>Perfs</u>		SPF/#shots
A.5 sds	48	88-4894'	4/24	<u> </u>	BS so		5823-	5831'		4/32
A1 sds		24-4929'	4/20						•	·····
LODC	50	88-5098'	4/40				coloradio harristano			
LODC		24-5229'	4/20	, , , , , , , , , , , , , , , , , , ,						
CP1 sds	_ <u>54</u>	46-5456'	4/40	-			and consideration considerations			······································
			CHRON	OLOGICA	L OPERAT	IONS				
Date Worl	k Perform	ed: <u>8-</u>	Aug-07				SITP:		SICP:	2032 psi
gun. Set r shots. RU fluid. Brok pressure c	olug @ 50 BJ Service Se @ 3978 of 2233 psi	T, crane & lubr 30'. Perforate . ces. 2032 psi c psi. Pumped i @ ave rate of & died. Rec. 2	A1 sds @ 4924 on well. Frac A 780 gals of free 24.8 BPM. ISI	1-29', A.5 s .5 & A1 sd sh wtr mixe IP 2255 ps	ds @ 4888 s w/ 31,089 ed with 30 g i. Begin im	- 94' w/ )#'s of 2 jals of T	3-1/8" Slic 0/40 sand echni-Hib	k Guns w/ 4 in 391 bbls 767W. Trea	spf for spf	or total of 44 ntning 17 // ave
Starting flu Fluid <u>lost</u> /r Ending flui	ecovered t	***************************************	1509 106 1615 FTP:	Starting Oil lost	ERY (BBL) g oil rec to d frecovered t recovered:	late: oday:	Fluid Rate:		Final c	oil cut:
		STIMULAT	ION DETAIL					COST	 S	
Base Fluid	used: L	ightning 17	Job Type:	Sand	frac		BJ Servi	ces-A.5/A1	_	\$22,280
Company:	BJ	Services	-				CD wt	r & trucking		\$1,080
Procedure	or Equipm	nent detail:	A.5 8	& A1 sand	<u>s</u>		N	IPC fuel gas	•	\$169
780	gals of pre	e-pad of 4% Te	chni-Hib 767W			 V	Veatherford	d tools/serv	,	\$2,450
791	gals of flus	sh spacer					Lor	ne Wolf WL	•	\$4,587
3000	gals of page	ad			***************************************		NPC :	supervision	·	\$60
2319	gals W/ ′	1-4 ppg of 20/4	0 sand				NPC flov	vback hand		\$400
4698	gals W/ 4	4-6.5 ppg of 20.	/40 sand				RNI v	vtr disposal	•	\$850
Flus	h W/ 4830	gals of slick w	ater		***************************************		CD	wtr transfer	•	\$300
		<u> </u>		<del></del>					•	
•					·				•	***************************************
Max TP	: 2480 M	ax Rate: 24.8	BPM_Total flui	d pmpd:	391 bbls				•	
Avg TP	: 2233 A	vg Rate: 24.8	BPM Total Pro	p pmpd:	31,089#'s					
ISIP	2255	5 min:	10 min:		FG: <u>.89</u>		DAILY C	OST:		\$32,176
Comple	etion Sup	ervisor: O	rson Barney	999 <sub>90000000</sub>		-	TOTAL WE	LL COST:		\$385,689



70f9

#### DAILY COMPLETION REPORT

WELL N	NAME:	Fede	eral 15	-20-9-16		Rep	ort Dat	te:11	-Aug-07	,		Day:3
Ope	ration:	Comp	letion						Rig:	West	tern #3	<u> </u>
					W	ELL ST	ATUS					
Surf Csg:	8 5/8'	@ 323	3'		Prod	Csg:	5 1/2"	@	6031'			5948' WL
Tbg:	Size:	2 7/8"	Wt:	6.5#	_Grd:	J-55	Pkr	r/EOT @:		BP/Sand		······
					PERFO	RATION	J RECC	ORD		BP: 517	70', 532	0', 5560'
Zone		<u>Perfs</u>			#shots	JIX IIOI		Zone		Perfs		SPF/#shots
A.5 sds	4	888-4894'		4/24				sds	5823	.5831'		4/32
A1 sds		924-4929'		4/20								
LODC		088-5098'		4/40					-		····	
LODC		224-5229'		4/20								
CP1 sds	5	446-5456'		4/40					• •			
		_			ONOL	OGICAL	OPER.	<u>ATIONS</u>			0100	50!
Date Work	k Perforr	ned:	9-A	ug-07	-				SITP:		SICP:	50 psi
Talley, PU 5030'. RU @ 5135', C mins). Tag	& RIH w Nabors C/O to plugged san	/ 4 3/4" cho power swiv ug @ 5170' d @ 5487',	omp bit el. Dri (Drilled C/O to	i, Bit sub a ill out plug d out in 1 o plug @	& tbg. js & cir 5 mins) 5560' (	Tagged s culate sa ). Tagge Drilled up	sand @ and. Plu d sand o in 15 i	9 5024'. ug @ 500 @ 5302 mins). T	k 5M WH. N Clean out sa 30', Drilled o ', C/O to plug agged sand 45 BW while	and to comp ut in 15 mil g @ 5320' ( @ 5851'.	oosite p ns. Ta (Drilled C/O to	olug @ gged sand out in 15 PBTD @
				_		RECOVE						
Fluid <u>lost</u> /re		be recover	*******	1615 45		Starting of Oil lost/re				·····	-	
Ending flui			***************************************	<del>43</del> 660		Cum oil i		-		***************************************	***	
IFL:		FL:		TP:	•••	hoke:			l Fluid Rate:		_ _Final c	oil cut:
		STIMU	ILATIC	N DETA	<u></u>					COST	S	
Base Fluid	used:			Job Type:					We	stern rig #3		\$5,237
Company:	one-un			••					Weath	erford BOP	5	\$180
Procedure	or Equip	ment detail:								3&L J-55 tbg		\$23,493
									Nabors p	ower swive	<u>.</u>	\$750
									NDSI wt	r & trucking		\$400
		***************************************							Unichen	n chemicals	3	\$400
***************************************									Monks	pit reclaim	<u> </u>	\$1,800
									NPC sfc	equipment		\$130,000
									Boren w	elding/labor		\$19,500
									NDSI v	vtr disposa	<u>.</u>	\$3,000
									NPC locat	on cleanup	<u>)</u>	\$300
Max TP:	: N	/lax Rate:		Total	fluid p	mpd:			Zubia	ate trucking	 <u></u>	\$1,200
Avg TP:		Avg Rate: _		<del></del>	Prop p	mpd:			NPC	supervision	, <u> </u>	\$300
ISIP:		5 min: _		 10 min:	*****	1	FG:		DAILY C	OST:	•	\$186,560
Comple	etion Su <sub>l</sub>	pervisor:	Ors	on Barn	ey				TOTAL WE	ELL COST:		\$572,249



8049

#### **DAILY COMPLETION REPORT**

WELL NAME:		Federal 15-20-9-16			Rep	Report Date: 14-Aug-0			j-07		Day: <u>4</u>	
	Operation	: <u>Com</u> p	letion					•	Rig:	West	ern #3	
					WE	ELL ST	ATUS			<del></del>		
Surf	Csg: 8 5/8	3' @32	3'		Prod	Csg:	5 1/2"	@	6031'	Csg	PBTD:	5996'
Tbg:	Size	2 7/8"	Wt:	6.5#	_Grd: _	J-55	Pk	r/EOT @:	5886'	BP/Sand	PBTD:	5996'
					PERFO	RATION	RECO	ORD			<del></del>	
<u>Z</u>	<u>one</u>	<u>Perfs</u>		SPF/	#shots			<u>Zone</u>		<u>Perfs</u>		SPF/#shots
A.5 s		4888-4894'		4/24			BS	sds	5823	-5831'		4/32
A1 s		4924-4929'		4/20							<b></b>	~~ <del></del>
LOD		5088-5098' 5224-5229'		4/40 4/20			***************************************		···	***************************************		
CP1		5446-5456'		4/40							-	
				CHF	ONOLO	GICAL	OPER	ATIONS				
Date	Work Perfe	ormed:	13-Au								SICP:	
extra ND E 1/2" 2	tbg. TOH v SOP. Set TA X 16' RHAC	of oil. RD swa N/ tbg. PU & A w/ 16,000#'s "CDI", 6- 1 1.	RIH w/ p s of tensi /2" wt ba	roduction w/ Trs, 20-	on tbg as A @ 578 3/4" guid	s follows 88', SN ded rods ECOVE	8. NC, 2 @ 582 6, 105- RY (BI	2 jts, SN, 2', EOT ( 3/4" plain	1 jt, 5 1/2" @ 5886'. N	TA & 184 jts U WH. PU &	of 2.7 & RIH	7/8" J-55 tbg w/ 2 1/2" X
		e recovered:	158		rear .	cum oil r		-			···	
IFL:		FFL:	FT	P:	<u>C</u> h	oke:		Fina	l Fluid Rate:		Final	oil cut:
	TUB	NG DETAIL			ROD	DETAI	L			COST		
										estern rig #3	- ,	\$5,063
KB	12.00'								Weath	erford BOP	- ,	\$180
184	2 7/8 J-55	tbg (5776.03')	)	····					Mt We	st sanitation		\$300
	TA (2.80' @	) 5788.03' KE	3)					-		CDI TA		\$525
1	2 7/8 J-55	tbg (31.05')		105-	3/4" plaiı	n rods				CDI SN		\$80
	SN (1.10' @	<u> </u>	3)	20-3	/4" scrap	ered ro	ds		CE	Ol rod pump		\$1,450
2	2 7/8 J-55	tbg (62.90')		6-1 1	/2" weig	ht rods			NPC	supervision		\$300
	2 7/8 Notch	ned collar (.45	5)	CDI	2 1/2' X	1 1/2" X	16'					
EOT	5886.33' w	/ 12' KB		RHA	C pump	W/ SM	plunge	r_			_	
				· <del></del>								
			<del></del>	<del></del>								
									DAILY C	OST:		\$7,898
						-				ELL COST:		\$580,147
C	ompletion S	Supervisor:	Orso	n Barn	ey				. O			



Day: 5

#### DAILY COMPLETION REPORT

Report Date: 15-Aug-07

Federal 15-20-9-16

WELL NAME:

O	peration: <u>Com</u>	pletion					Rig:	Wester	n #3
				WELL ST	ATUS				
Surf Csg	: 8 5/8' @ 32	23'		Prod Csg:	5 1/2"	@	6031'	Csg PB	TD: <b>5996'</b>
Tbg:	Size: 2 7/8"	Wt:	6.5#	_Grd:J <u>-55</u>	Pkr/E	OT @:	5886'	BP/Sand PB	TD: 5996'
				DEDECRATIO	N DECODE				
Zone	Dorfo			PERFORATIO #shots	N RECORI Zo			Perfs	SPF/#shots
A.5 sds	<u>Perfs</u> 4888-4894		4/24		B\$ sd		5823-		4/32
A1 sds	4924-4929		4/20				***************************************		-
LODC	5088-5098	I	4/40		***************************************				
LODC	5224-5229		4/20			····			
CP1 sds	5446-5456		4/40						
			CHF	RONOLOGICAL	OPERAT	IONS			
Date Wo	ork Performed:	<u>14-Aı</u>	ıg-07	····			SITP:	SI	CP:
	ng head, Space out r 1587 BWTR.			LUID RECOVE			,		
Starting f	luid load to be recov	ered:	1585 <sup>-</sup>		oil rec to d	_			
_	recovered today:				recovered to				
_	uid to be recovered:	158		•••	recovered:				
IFL:	FFL:	FT	P:	Choke:		Final	Fluid Rate:	Fi	nal oil cut:
-	TUBING DETAIL			ROD DETA	IL			COSTS	
								stern rig #3	\$1,795
KB <u>12</u> .	00'	· · · · · · · · · · · · · · · · · · ·	1 1/2	" X 26' polish ro	<u>od</u>		A grad	e rod string	\$13,320
184 27	/8 J-55 tbg (5776.03	<u>s')</u>	1-2',1	-4',1-6',1-8' X 3/4	1" ponies		NPC frac tn	k(5X 7dys)	\$1,400
TA	(2.80' @ 5788.03' K	(B)	101-	3/4" guided roc	ls		NPC swb ti	nk(1X5dys)	\$200
1 27	/8 J-55 tbg (31.05')		105-	3/4" plain rods			NF	PC trucking	\$300
SN	(1.10' @ 5821.88' k	(B)	20-3	/4" scrapered ro	ods		NPO	C frac head	\$500
2 27	7/8 J-55 tbg (62.90')		6-1 1	/2" weight rods		·	NPC :	supervision	\$300
	/8 Notched collar (.4	.5)		2 1/2' X 1 1/2" >					
***************************************	36.33' w/ 12' KB			C pump W/ SM	***************************************	•		***************************************	······································
	30.00 W 12 ND		11171	o pamp vv/ ov	i piangoi				
-			·*************************************						
~									
						•		A.A.	
							DAILY C	OST:	\$17,815
							TOTAL WE		\$597,962
Comr	letion Supervisor	Oreo	n Rarn	ov					Ψ007,002

#### **ATTACHMENT H**

#### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4838'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	179' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.		Perforate 4 JSPF @ 374'
6.	Plug #4	Circulate 105 sx Class "G" cement down 5 ½" casing and up the 5 ½" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

Spud Date: 6-13-07 Put on Production: 08-14-07 GL: 6153' KB: 6165'

#### Federal 15-20-9-16

Proposed P&A Wellbore Diagram

Casing Shoe @ 324'

TOC @ 1137'

Initial Production: BOPD, MCFD, BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24#

LENGTH: 7 jts (312.79') DEPTH LANDED: 323.69' KB

HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

Circulate 105 sx Class "G" Cement down 5-1/2" casing and up the 5  $\frac{1}{2}$ " x 8 5/8" annulus

Perforate 4 JSPF @ 374'

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 139 jts. (6043.69') DEPTH LANDED: 6030.94' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 1137'

above Uinta/Green River and extending 60' below (1458'-1578')

120' balance plug using 14 sx Class "G" cement 60'

179' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2740'-2919')

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4838' 4888-4894'

4924-4929

5088-5098

5224-5229'

5446-5456

5823-5831'

PBTD @ 5996'

TD @ 6065'

## NEWFIELD

#### Federal 15-20-9-16

660' FSL & 1980' FEL

SW/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33105; Lease # UTU-74391

FORM 3160-5 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010

SUNDRY Do not use t abandoned w	5. Lease Serial No. USA UTU-74391 6. If Indian, Allottee or Tribe Name. 7. If Unit or CA/Agreement, Name and/or GMBU						
SUBMIT IN							
Oil Well Gas Well Other  Name of Operator					8. Well Name and No. FEDERAL 15-20-9-16		
NEWFIELD PRODUCTION COMPANY  3a. Address Route 3 Box 3630 3b. Phone (include are code)  Myton, UT 84052 435:646.3721				9. API Well No. 4301333105 10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660 FSL 1980 FEL SWSE Section 20 T9S R16E					GREATER MB UNIT 11. County or Parish, State DUCHESNE, UT		
	APPROPRIATE BOX(E			OTICE, OR OT	HER DATA		
TYPE OF SUBMISSION  Notice of Intent Subsequent Report Final Abandonment	Acidize Alter Casing Casing Repair Change Plans Convert to Injector	Deepen Fracture Treat New Construction Plug & Abandon Plug Back	Reclamati	te ily Abandon	☐ Water Shut-Off ☐ Well Integrity ☐ Other		

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

I hereby certify that the foregoing is true and correct ( <i>Printed/ Typed</i> )  Jill Loyle	Title  Regulatory Technician		
Signature Signature	Date 02/09/2012		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject leas which would entitle the applicant to conduct operations thereon.			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

Deseret News

**ACCOUNT NUMBER** 

PROOF OF PUBLICATION 2012

CUSTOMER NAME AND ADDRESS

DIV OF OIL-GAS & MINING.

**CUSTOMER'S COPY** 

DATE

DIV OF OIL-GAS & WIINING,		9001402	2/28/2012
1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	-	·	PUBLIC NOTICE BEFORE THE DIVISION OF OIL. GAS AND MINING
ACCOUN	NT NAME		DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION
DIV OF OIL-G	AS & MINING,		BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAM NOTICE OF AGENCY ACTION CAUSE NO. UIC.387  IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODU THON COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAWELLS LOCATED IN SECTIONS 16, 18, 20, 22, AND 2 TOWNSHIP 9 SOUTH, RANGE 10 EAST, DUCHESNE COUNT UTAH, AS CLASS II INJECTION WELLS.  THE STATE OF UTAM TO ALL PERSONS INTERESTED IN TABOVE ENTITLED MATTER.  NOTICE IS INCREDIBLY OF OIL, GGS and M. MOICE IS INCREDY GIVEN THAT THE POLYMENT OF OIL, GGS and M. MOICE IS INCREDY GIVEN THAT THE PROPERTY OF THE STATE
TELEPHONE	ADORDER#	/ INVOICE NUMI	THE STATE OF UTAH TO ALL PERSONS INTERESTED IN T ABOVE ENTITLED MATTER.  Notice is basely given that the Division of Oil, Gas and M
8015385340	0000770992	1	ABOVE ENTITLED MATTER. Notice is hereby given that the Division of Oil, Gas and M. Ing (the "Division") is commencing an informal adjudical ing (the "Division") is commencing an informal adjudical proceeding to consider the application of Newfield Produ tion Company for administrative approval of the follow wells located in Duchesine County, Utah, for conversion Greater Monument Butte Unit: Castle Peak State 43-16 well located in NE/4 SE/4, Secil 16, Township 9 South, Range 16 East API 43-013-30594 West Point Federal 4A-18-9-16 well located in NW
SCHE	DULE		Greater Monument Butte Unit: Castle Peak State 43-16 well located in NE/4 SE/4, Secti
Start 02/27/2012	End 02/27/20	12	NW/4. Section 1B, Township 9 South, Range 16 East
CUST. R	REF. NO.	Year and a second second	Federal 13-18-9-16 well located in SW/4 SW/4, Secti 18, Township 9 South, Range 16 East API 43-013-32999
UIC 387			API 43-013-33463 Federal 1 3-18-9-16 well located in SW/4 SW/4, Section 18, Township 9 South, Range 1 6 East API 43-013-32999 Federal 7-20-9-16 well located in SW/4 NE/4, Section 2 Township 9 South, Range 1 6 East API 43-013-33106 Federal 1 1-20-9-16 well located in NE/4 SW/4, Section 2 Township 9 South, Range 1 6 East API 43-013-32598 Federal 15-20-9-16 well located in SW/4 SE/4, Section 2 Township 9 South, Range 1 6 East API 43-013-33105 Federal 1 5-20-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-20-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-22-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federal 1 5-24-9-16 well located in SW/4 SE/4, Section 2 Federa
CAP	ΓΙΟΝ		API 43-013-32598 Federal 15-20-9-16 well located in SW/4 SE/4, Section 7 Township 9 South, Range 16 East
PUBLIC NOTICE BEFORE THE DIVISION OF	OIL, GAS AND MIN	ING DEPARTMEN	API 43-013-33105 Federal 15-22-9-16 well located in SW/4 SE/4, Section 2 Township 9 South, Ronge 16 East API 43-013-33167 Federal 9-24-9-16 well located in NE/4 SE/4, Section 2 Township 9 South, Ronge 16 East API 43-013-33338 Federal 13-24-9-16 well located in SW/4 SW/4, Secti 24, Township 9 South, Ronge 16 East API 43-013-33342 The proceeding will be conducted in accordance with UI
SL			Township 9 South, Range 16 East API 43-013-33338 Federal 13-24-9-16 well located in SW/4 SW/4, Sect
73 Lines	2.00	COLUMN	24, Township 9 South, Range 16 East API 43-013-33342 The proceeding will be conducted in accordance with U Admin. R649-10, Administrative Procedures.
TIMES		RATE	water injection. The maximum requested injection pressul and rates will be determined based on fracture gradient
4			AFI 43-013-33342.  The proceeding will be conducted in accordance with Ut Admin. 84-97-10, Administrative Procedures.  Selected zones in the Green River Formation will be used water injection. The maximum requested injection pressure and rates will be determined based on fracture gradlent formation submitted by Newfield Production Company. Any person destring to object to the application or other intervent in the proceeding, must file a written protest or tace of Intervention with the Division Within Effect of the original publication of this notice. The Division's Presiding of cer for the proceeding is Brad till. Permitting Manager, P.O. Box 145801, Salt lake City, UT 84114-8301, pin number (801) 538-5340. If such a protest or notice of intervention is received, o hacking will be scheduled in accounce with the aforementioned administrative procedures. Protestants and/or intervenes; should be propured demonstrate at the hearing how this matter affects their terests.
MISC. CHARGES	AI	O CHARGES	cer for the proceeding is Brad Hill, Permitting Manager, P.O. Box 145801, Salt Lake City, UT 84114-5801, phorumber (801) 538-5340. If such a protest or notice of interesting is received, a hearing will be scheduled in acco
			ance with the aforementioned administrative procedurules. Protestants and/or interveners should be prepared demonstrate at the hearing how this matter affects their terests.
-	TO	OTAL COST	STATE OF UTAH  DIVISION OF OIL GAS & MINING
		250.28	(s) Brad Hill Permitting Manager 770992 UPAX
AFF	FIDAVIT OF PUBLICATIO		

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-387 IN THE MATTER FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY. LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON

**SIGNATURE** 

2/28/2012

Start

02/27/2012

02/27/2012 End

VIRGINIA CRAFT Notary Public, State of Utah Commission # 581459 My Commission Expires

January 12, 2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION" PLEASE PAY FROM BILLING STATEMENT

#### AFFIDAVIT OF PUBLICATION

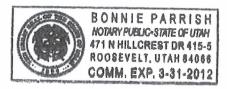
County of Duchesne, STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for consecutive issues, and that the first publication was on the 28 day of February, 20/2, and that the last publication of such notice was in the issue of such newspaper dated the 28 day of February 20 12, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

**Publisher** 

Subscribed and sworn to before me this

Notary Public



NOTICE OF **AGENCY** ACTION CAUSE NO. **UIC-387** 

BEFORE THE DIVI-SIONOFOIL, GAS AND

Permitting Manager Published in the Uintah Pasin Standard February

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MINING, DFPART
The state of the state IN THE M/

THE APPLIC , brillish , dulo South, Balland, June 3001 isal 6, 2012, at 7:00 pm at the JMO2 MOIL Ballatd City offices, 2381 GTSLAMAN beheld on Tuesday, March at S105 & MAINION. The hearing will 10 TWAOMA PROVAL OF ILLA BULLERY OF THE PROVAL OF ILLA BULLERY OF THE PROVAL OF TH CLASS II Iliw amountsethii Villa WELLS.

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#### HEVBING PUBLIC NOLICE OF

Basin Standard February 5 21 and 28, 2012. Published in the Uintah Rolean Rowley, Mayor

Date: February 16, latest edition). Treasury, (Circular 570,

# BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-387

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 18, 20, 22, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

#### THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

#### **Greater Monument Butte Unit:**

Castle Peak State 43-16 well located in NE/4 SE/4, Section 16, Township 9 South, Range 16 East API 43-013-30594

West Point Federal 4A-18-9-16 well located in NW/4 NW/4, Section 18, Township 9 South, Range 16 East API 43-013-33463

Federal 13-18-9-16 well located in SW/4 SW/4, Section 18, Township 9 South, Range 16 East API 43-013-32999

Federal 7-20-9-16 well located in SW/4 NE/4, Section 20, Township 9 South, Range 16 East API 43-013-33106

Federal 11-20-9-16 well located in NE/4 SW/4, Section 20, Township 9 South, Range 16 East API 43-013-32598

Federal 15-20-9-16 well located in SW/4 SE/4, Section 20, Township 9 South, Range 16 East API 43-013-33105

Federal 15-22-9-16 well located in SW/4 SE/4, Section 22, Township 9 South, Range 16 East API 43-013-33167

Federal 9-24-9-16 well located in NE/4 SE/4, Section 24, Township 9 South, Range 16 East API 43-013-33338

Federal 13-24-9-16 well located in SW/4 SW/4, Section 24, Township 9 South, Range 16 East API 43-013-33342

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 21st day of February, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Brad Hill

**Permitting Manager** 

#### **Newfield Production Company**

## CASTLE PEAK STATE 43-16, WEST POINT FEDERAL 4A-18-9-16, FEDERAL 13-18-9-16, FEDERAL 7-20-9-16, FEDERAL 11-20-9-16, FEDERAL 15-20-9-16, FEDERAL 9-24-9-16, FEDERAL 13-24-9-16

#### Cause No. UIC-387

Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail legals@ubstandard.com

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel US EPA Region 8 MS 8P-W-GW 1595 Wynkoop Street Denver, CO 80202-1129

SITLA 675 E 500 S Ste 500 Salt Lake City, UT 84102-2818

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jean Sweet



#### State of Utah

#### **DEPARTMENT OF NATURAL RESOURCES**

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

February 21, 2012

Via e-mail: legals@ubstandard.com

**Uintah Basin Standard** 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-387

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure



From:

Cindy Kleinfelter <classifieds@ubstandard.com>

To: Date: <jsweet@utah.gov> 2/23/2012 12:02 PM

Subject:

Legal Notice

It will be published Feb. 28, 2012. Thank you. Cindy



#### State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

February 21, 2012

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-387

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>isweet@utah.gov</u>.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

**Enclosure** 



From:

"Stowe, Ken" <kstowe@mediaoneutah.com>

To: Date:

<jsweet@utah.gov> 2/23/2012 12:36 PM

Subject:

**Proof for Public Notice** 

Attachments: OrderConf.pdf

AD# 770992

Run SL Trib & Des News 2/27/12

Cost \$250.28

Please advise of any changes or reply with OK to publish

Thank You

Ken







#### Order Confirmation for Ad #0000770992-01

Client

DIV OF OIL-GAS & MINING

**Payor Customer** 

DIV OF OIL-GAS & MINING

**Client Phone** 

801-538-5340

**Payor Phone** 

801-538-5340

Account#

9001402352

**Payor Account** 

9001402352

Address

1594 W NORTH TEMP #1210,P.O. BOX 145801 Payor Address

SALT LAKE CITY, UT 84114 USA

1594 W NORTH TEMP #1210,P.O. BOX

SALT LAKE CITY, UT 84114

Fax

801-359-3940

Ordered By

Acct. Exec

**EMail** 

earlenerussell@utah.gov

Jean

kstowe

**Total Amount** 

**Payment Amt** 

\$250.28 \$0.00

**Tear Sheets** 

Proofs

**Affidavits** 

**Amount Due** 

\$250.28

0

O PO Number

**UIC 387** 

Public Meeting/Hear-ing Notices

Public Meeting/Hear-ing Notices

Payment Method **Confirmation Notes:** 

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Ad Type

Ad Size

Color

Legal Liner

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**Position** 

**Product** 

Salt Lake Tribune::

**Placement** 

Legal Liner Notice - 0998

Scheduled Date(s):

2/27/2012

**Product** Deseret News:: **Placement** 

Legal Liner Notice - 0998

2/27/2012

**Product** 

**Placement** 

sltrib.com::

Legal Liner Notice - 0998

Scheduled Date(s):

Scheduled Date(s):

2/27/2012

2/27/2012

Product

**Placement** 

utahlegals.com::

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Scheduled Date(s):

Public Meeting/Hear-ing Notices

**Position** 

utahlegals.com

**Ad Content Proof Actual Size** 

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-387
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN
WELLS LOCATED IN SECTIONS 16, 18, 20, 22, AND 24,
TOWNSHIP 9 SOUTH, RENNGE 16 EAST, DUCHESNE COUNTY,
UTAH, AS CLASS II INJECTION WELLS.
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE
ABOVE ENTITLED MATTER.

UTAH, AS CLASS II INJECTION WELLS.
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

NOTICE IS hereby given that the Division of Oil, Gas and Mining (the "Division") is commending an informal adjudicative proceeding to carsider the application of Newfield Production Company for administrative approval of the following wells located in Duckesse County, Utah, for conversion to Class II injection wells:

Greater Monument Buttle Unit:

Castle Peak State 43-16 well located in NE/A SE/A, Section 16, Township 9 South, Range 16 East

API 43-013-330594

West Point Federal 4A-18-9-16 well located in NW/A

NW/A, Section 18, Township 9 South, Range 16 East

API 43-013-33463

Federal 13-18-9-16 well located in SW/4 SW/A, Section 18, Township 9 South, Range 16 East

API 43-013-33299

Federal 13-18-9-16 well located in SW/4 NE/A, Section 20, Township 9 South, Range 16 East

API 43-013-33106

Federal 11-20-9-16 well located in NE/A SW/A, Section 20, Township 9 South, Range 16 East

API 43-013-3333336

Federal 13-24-9-16 well located in SW/4 SE/A, Section 22, Township 9 South, Range 16 East

API 43-013-333105

Federal 13-24-9-16 well located in SW/4 SE/A, Section 22, Township 9 South, Range 16 East

API 43-013-333105

Federal 13-24-9-16 well located in SW/4 SE/A, Section 22, Township 9 South, Range 16 East

API 43-013-333105

Federal 13-24-9-16 well located in SW/4 SW/A, Section 24, Township 9 South, Range 16 East

API 43-013-333308

Federal 13-24-9-16 well located in SW/4 SW/A, Section 24, Township 9 South, Range 16 East

API 43-013-33338

Federal 13-24-9-16 well located in SW/4 SW/A, Section 24, Township 9 South, Range 16 East

API 43-013-33338

Federal 13-24-9-16 well located in SW/4 SW/A, Section 24, Township 9 South, Range 16 East

API 43-013-333348

Federal 13-24-9-16 well located in SW/4 SW/A, Section 24, Township 9 South, Range 16 East

API 43-013-33340

29, township y soutin, range 10 East API 43-013-33342
The praceeding will be conducted in accordance with Urah Admin. R649-10, Administrative Procedures.
Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rares will be determined based on fracture gradient information submitted by NewHeidel Production Company. Any person destiring to object to the application or otherwise intervene in the praceeding, must file a written protest or rotice of intervention with the Division within fifteen days following publication of his notice. The Division's Presiding Officer for the praceeding is Brad hill, Permitting Manager, at P.O. Box 1 45801, Soft Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest on notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate of the beauting how this matter affects their interests.

terests. Dated this 21st day of February, 2012. STATE OF UTAH DIVISION OF OIL, GAS & MINING

/5/ Brod Hill

Permitting Manager 770992

UPAXLP



Governor

GREGORY S. BELL. Lieutenant Governor

#### State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

March 20, 2012

**Newfield Production Company** 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 15-20-9-16, Section 20, Township 9 South, Range 16 East,

SLBM, Duchesne County, Utah, API Well # 43-013-33105

#### Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing\tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- 5. The top of the injection interval shall be limited to a depth no higher than 3,857 feet in the Federal 15-20-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely.

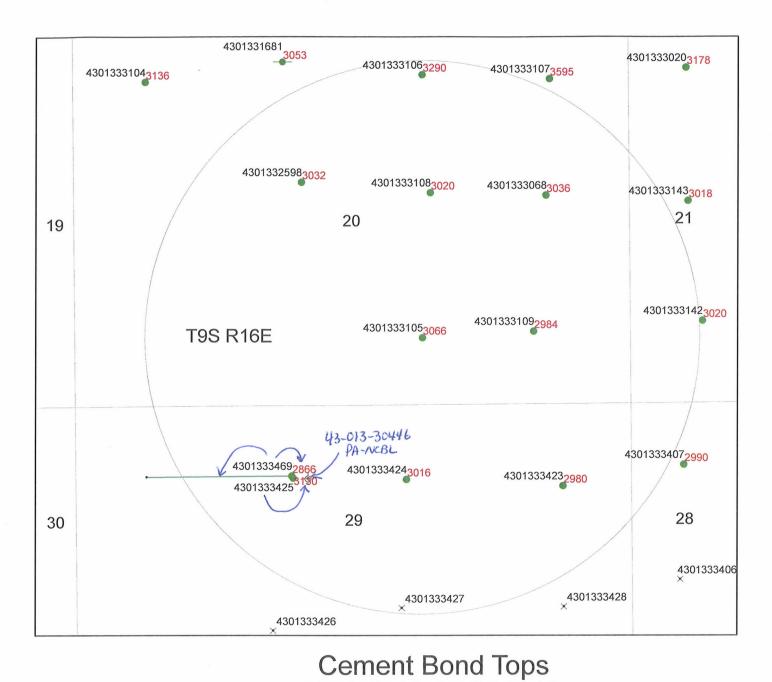
ohn Rogers Associate Director

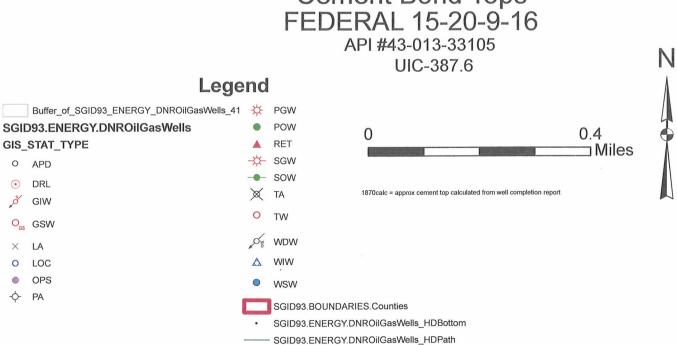
JR/MLR/is

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal **Duchesne County** Newfield Production Company, Myton Well File

N:\O&G Reviewed Docs\ChronFile\UIC







Wells-CbltopsMaster02\_14\_12

# DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

Applicant: Ne	wfield Production Company	Well:	<u>Federal 15-20-9-16</u>	
Location:	20/9S/16E	API:	43-013-33105	

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 324 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,031 feet. A cement bond log demonstrates adequate bond in this well up to about 3,066 feet. A 2 7/8 inch tubing with a packer will be set at 4,838 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 10 producing wells and 1P/A well in the AOR. One of the producing wells is a directionally drilled well, with a surface location inside the AOR and a bottom hole location outside the AOR. All of the wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 2700 feet. Injection shall be limited to the interval between 3,857 feet and 5,976 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 15-20-9-16 well is 0.89 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,223 psig. The requested maximum pressure is 2,223 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 15-20-9-16 page 2

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s):	Mark Reinbold	Date	2/23/2012

Sundry Number: 24979 API Well Number: 43013331050000

. D		ES			
	MVISION OF OIL, GAS, AND WIN	STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS, AND MINING			
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for prop current bottom-hole depth, ro FOR PERMIT TO DRILL form	posals to drill new wells, significantly of eenter plugged wells, or to drill horizon for such proposals.	deepen existing wells below ntal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: FEDERAL 15-20-9-16		
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	MPANY		9. API NUMBER: 43013331050000		
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,	84052 435 646-4825	PHONE NUMBER: 5 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE		
4. LOCATION OF WELL FOOTAGES AT SURFACE:	NICOLOGICA SALVA CINICA CONTRACTOR CONTRACTO		COUNTY: DUCHESNE		
0660 FSL 1980 FEL QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWSE Section: 20	il <b>P, RANGE, MERIDIAN:</b> 0 Township: 09.0S Range: 16.0E Merid	ian: S	STATE: UTAH		
<sup>11.</sup> CHECK	( APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
The subject well h injection well on 0- State of Utah DOG above listed well. Or psig and charted for injecting during the	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS  ✓ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show as been converted from a p 4/12/2012. On 04/13/2012 M was contacted concerning in 04/17/2012 the casing was 30 minutes with no pressure test. The tubing pressure is state representative available Chris Jensen.	roducing oil well to an Chris Jensen with the g the initial MIT on the s pressured up to 1175 e loss. The well was not was 75 psig during the	Accepted by the Utah Division of Oll, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto SIGNATURE	<b>PHONE NUMB</b> 435 646-4874	ER TITLE Water Services Technician  DATE 4/20/2012			

Sundry Number: 24979 API Well Number: 43169310500051 ...

## Casing or Annulus Pressure Test

#### Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

Witness: Chris Jensen Test Conducted by: Trent Horracks	Date 4 / 17 / 12 Time //:30 @ pn
Others Present: Don Trans	
Well: Federal 15.20.9-16	Field: Monument Burre
Well Location: Fed. 15-20-9-16	API No: 43.013-33105
SWISE Sec. 20 Tas RIGE Duch Cuty UT	
<u>Time</u>	Casing Pressure

	<u>Time</u>	Casing Pressure	
	0 min	1175	psig
	5	<u> 175</u>	_ psig
	10	1175	_ psig
	15	1175	psig
	20	1175	psig
	25	1175	psig
•	30 min	117.5	_ psig
	35		. psig
	40 _		psig
•	45 _		. psig
	50		psig
	55		. <sup>psig</sup>
	60 min		_ psig
Tubing	pressure: _	75	psig .
Re	esult:	Pass	Fail
Signature of Witness:		Temen	1
Signature of Pe	rson Condu	cting Test:	Hounk

Sundry Number: 24979 API Well Number: 43013331050000 \_\_MIDNIGHT 2250 2000-1750-1500-.1250-1000 1500 750 500 CHART NO MP-2500-24HR DISC NO. METER\_ TAKEN OFF CHART PUT NO TIME 11:00 A M DATE 4. 17.12 TIME\_10:30A\_M DATE 4 17-12 LOCATION Fed 16-20-9-16
REMARKS Convension MIT 6 PM: 2

12000-1200-1200-1200-1200-1200-12000-

NOON

1

11

#### **Daily Activity Report**

#### Format For Sundry FEDERAL 15-20-9-16 2/1/2012 To 6/30/2012

4/12/2012 Day: 1

Conversion

NC #3 on 4/12/2012 - MIRUSU, LD rods - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csg @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70-3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csg @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Pump 50 bbls fresh water w/ packer fluid down csg. ND wellhead. Set packer @ 4819.71' w/ 1500 tension. NU conversion wellhead tree. Pressure test csg @1500 psi. Held for 1 hour. Good test. RDMOSU. READY FOR MIT!! - Flush that w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153-jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Flush tbg w/ 30 bbls water @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 153-jts 2 7/8 tbg. LD 34-jts 2 7/8 tbg on trailer. TIH w/ packer, sn, 153-jts 2 7/8 tbg. Pumped 10 bbls for STD valve pad. Pressure test tbg w/ 30 bbls water to 3000 psi. Pressure test held for 30 min. Good test. Run in w/ sandline to retrieve STD valve. RD rig floor. ND bops. NU wellhead flange. SDFD - Road rig to location. MIRUSU. Pump 60 bbls water down csq @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. TOH w/ 101- 3/4 guided. Flushed rods & tbg w/ 20 bbls water @ 250. Cont. to TOH w/ 70- 3/4 slick. Flush tbg & rods w/ 20 bbls water @ 250. Cont. to TOH w/ 34- 3/4 slick, 20- 3/4 guided, 6- 1 1/2 wt bars, pump. ND wellhead. NU BOPS. RU rig floor. TOH w/ 40- jts 2 7/8. SDFD. - Pump 50 bbls fresh water w/ packer fluid down csg. ND

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Daily Cost: \$0

Cumulative Cost: \$43,967

#### 4/18/2012 Day: 4

Conversion

Rigless on 4/18/2012 - Conduct initial MIT - On 04/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/17/2012 the casing was pressured up to 1175 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 75 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/17/2012 the casing was pressured up to 1175 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 75 psig during the test. There was a State representative available to witness the test - Chris Jensen. Finalized

Daily Cost: \$0

Cumulative Cost: \$88,367

**Pertinent Files:** Go to File List

Sundry Number: 27960 API Well Number: 43013331050000

			المراجعة الم
STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS, AND MINING			FORM 9  5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: FEDERAL 15-20-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY			9. API NUMBER: 43013331050000
3. ADDRESS OF OPERATOR: PHONE NUMBER: Rt 3 Box 3630 , Myton, UT, 84052 435 646-4825 Ext			9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 20 Township: 09.0S Range: 16.0E Meridian: S			COUNTY: DUCHESNE
			STATE: UTAH
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show a rence well was put on injection 17/18/2012.		CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  APD EXTENSION  OTHER: Put on Injection  depths, volumes, etc.  Accepted by the Utah Division of Oil, Gas and Mining  FOR RECORD ONLY  July 25, 2012
NAME (PLEASE PRINT)	PHONE NUMBI	ER TITLE Water Services Technician	
Lucy Chavez-Naupoto SIGNATURE N/A	435 646-4874	DATE 7/23/2012	,

#### Federal 15-20-9-16

Spud Date: 6-13-07 Put on Production: 08-14-07

Federal 15-20-9-16

660° FSL & 1980° FEL

SW/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33105; Lease # UTU-74391

GL: 6153' KB: 6165'

#### Injection Wellbore Diagram

#### SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" Frac BS sands as follows: 08-08-07 5823-5831 19449# 20/40 sand in 339 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2516 psi w/avg rate of 24.8 BPM, ISIP 2815 psi. Calc Casing Shoe @ 324' WEIGHT: 24# flush: 5821 gal. Actual flush: 5292 gal. LENGTH: 7 its (312.79') Frac CP1 sands as follows: 08-08-07 5446-54563 DEPTH LANDED: 323.69' KB 19887# 20/40 sand in 339 bbls Lightning 17 HOLE SIZE: 12-1/4" frac fluid. Treated @ avg press of 2181 psi TOC @ 1137' w/avg rate of 24.8 BPM. ISIP 2290 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf. flush: 5444 gal. Actual flush: 4914 gal. 08-08-07 5224-5229' Frac LODC sands as follows: 15479# 20/40 sand in 292 bbls Lightning 17 frac fluid. Treated @ avg press of 2849 psi w/avg rate of 24.8 BPM. ISIP 2870 psi. Calc flush: 5222 gal. Actual flush: 4717 gal. 08-08-07 5088-5098' Frac LODC sand as follows: PRODUCTION CASING 29995# 20/40 sand in 397 bbls Lightning 17 frac fluid. Treated @ avg press of 2440 w/ CSG SIZE: 5-1/2' avg rate of 24.8 BPM. ISIP 2430 psi. Calc GRADE: J-55 flush: 5086 gal. Actual flush: 4578 gal. WEIGHT: 15.5# Frac A1, & A.5 sand as follows: 08-08-07 4888-49293 31089# 20/40 sand in 391 bbls Lightning 17 LENGTH: 139 jts. (6043.69') frac fluid. Treated @ avg press of 2233 w/ DEPTH LANDED: 6030.94' KB avg rate of 24.8 BPM. ISIP 2255 psi. Calc flush: 4886 gal. Actual flush: 4830 gal. HOLE SIZE: 7-7/8" Major workover. Acidized fracs and updated 4-10-08 CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. rod and tubing details. CEMENT TOP AT: 1137' 07/15/11 Pump Change. Rods & tubing updated. 04/12/12 Convert to Injection Well 04/17/12 Conversion MIT Finalized - tbg detail **TUBING** updated SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 153 jts (4803.5') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4815.5' KB CE @ 4819.71' TOTAL STRING LENGTH: EOT @ 4824' KB Packer @ 4820' EOT @ 4824' 4888-4894 PERFORATION RECORD 4924-4929 08-02-07 5823-58313 4 JSPF 32 holes 08-08-07 5446-5456' 4 JSPF 40 holes 5088-5098 08-08-07 5224-52293 4 JSPF 20 holes 08-08-07 5088-5098' 4 JSPF 40 holes 08-08-07 4924-4929' 4 JSPF 20 holes 5224-5229' 08-08-07 4888-4894' 4 JSPF 24 holes 5446-5456' 5823-5831' NEWFIELD 3116 PBTD @ 5996

TD @ 6065'



#### State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

#### Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

GREGORY S. BELL
Lieutenant Governor

#### UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-387

**Operator:** 

Newfield Production Company

Well:

Federal 15-20-9-16

Location:

Section 20, Township 9 South, Range 16 East

County:

Duchesne

API No.:

43-013-33105

Well Type:

Enhanced Recovery (waterflood)

#### Stipulations of Permit Approval

- 1. Approval for conversion to Injection Well issued on March 20, 2012.
- 2. Maximum Allowable Injection Pressure: 2,000 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (3,857' 5,976')
- 5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

John Rogers

Associate Director

Date

JR/MLR/is

cc: Bruce Suchomel, Environmental Protection Agency

Bureau of Land Management, Vernal

Eric Sundberg, Newfield Production Company, Denver

Newfield Production Company, Myton

Duchesne County

Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield

